JVC

COMPACT COMPONENT SYSTEM
组合音响系统

DX-T5 —Consists of CA-DXT5, SP-XT5 and SP-XST5
—由 CA-DXT5 、 SP-XT5 及 SP-XST5 组成

DVD AUDIO/VIDEO **COMPACT disc** SUPER VIDEO **DOLBY DIGITAL** **dts** 2.0+DIGITAL OUT ™ **3D** 3D-PHONIC
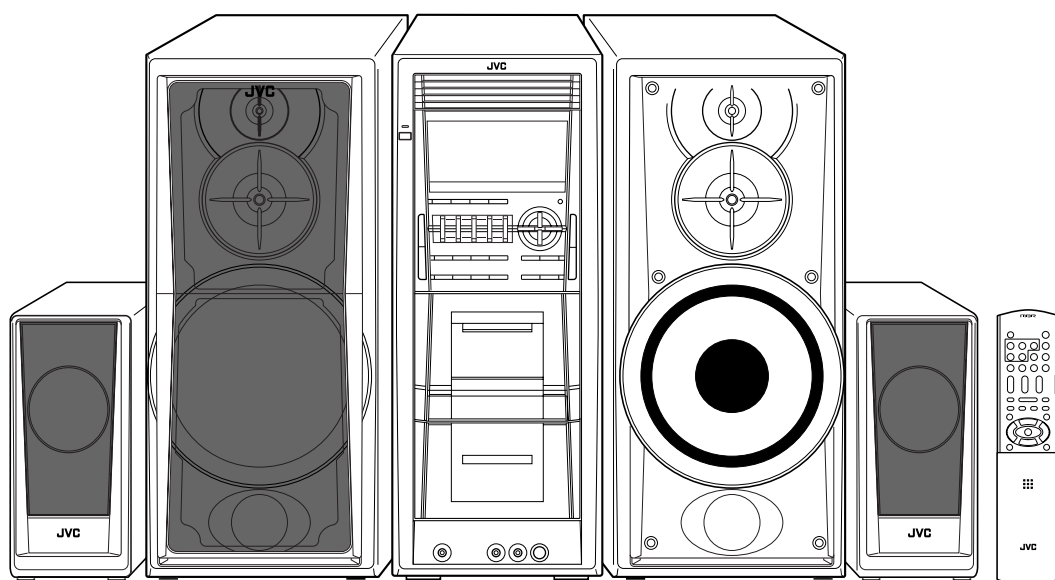
ACTIVE BASS EXTENSION

INSTRUCTIONS
使用说明书

GVT0146-001A
[US, UN]

Warnings, Cautions and Others
警告，注意及其他须知事项

Caution— ⏻/I button!
Disconnect the mains plug to shut the power off completely.
The ⏻/I button in any position does not
disconnect the mains line. The power can be remote
controlled.

CAUTION
To reduce the risk of electrical shocks, fire, etc.:
1. Do not remove screws, covers or cabinet.
2. Do not expose this appliance to rain or moisture.

CAUTION
- Do not block the ventilation openings or holes.
  (If the ventilation openings or holes are blocked by a
  newspaper or cloth, etc., the heat may not be able to get
  out.)
- Do not place any naked flame sources, such as lighted
  candles, on the apparatus.
- When discarding batteries, environmental problems must
  be considered and local rules or laws governing the
  disposal of these batteries must be followed strictly.
- Do not expose this apparatus to rain, moisture, dripping or
  splashing and that no objects filled with liquids, such as
  vases, shall be placed on the apparatus.

注意一 ⏻/I 开关！
无论 ⏻/I 开关在任何位置，电源线的电源还是没有被切断，
若要将电源完全关闭，应把电源插头拔离插座。电源可用遥
控器控制。

注意
为了减少触电，火灾等危险：
1．请勿擅自卸下螺丝钉，盖子或机壳。
2．请勿让本机受雨淋或置潮湿环境中。

注意
- 请勿堵塞通风口或通风孔。
  （如果通风口或通风孔被报纸或布等堵塞，热量将
  无法散出。）
- 请勿在本设备上放置任何裸露的火源，如点燃的蜡
  烛。
- 处理废弃电池时，必须考虑环境问题，并严格遵守
  当地关于处理废弃电池的有关法律或规定。
- 切勿将本装置暴露于雨水所及、潮湿、滴水或易于
  溅起水花的地方，亦不要将任何装满液体的物件
  （如花瓶）放置在本装置上。

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28 kg / 62 lbs.

CAUTION!
To avoid personal injury or accidentally dropping
the unit, have two persons unpack, carry, and install the
unit.

注意!
为避免砸伤人员或引起本机意外摔落，在进行开封，
搬运和安装时需要两个人。
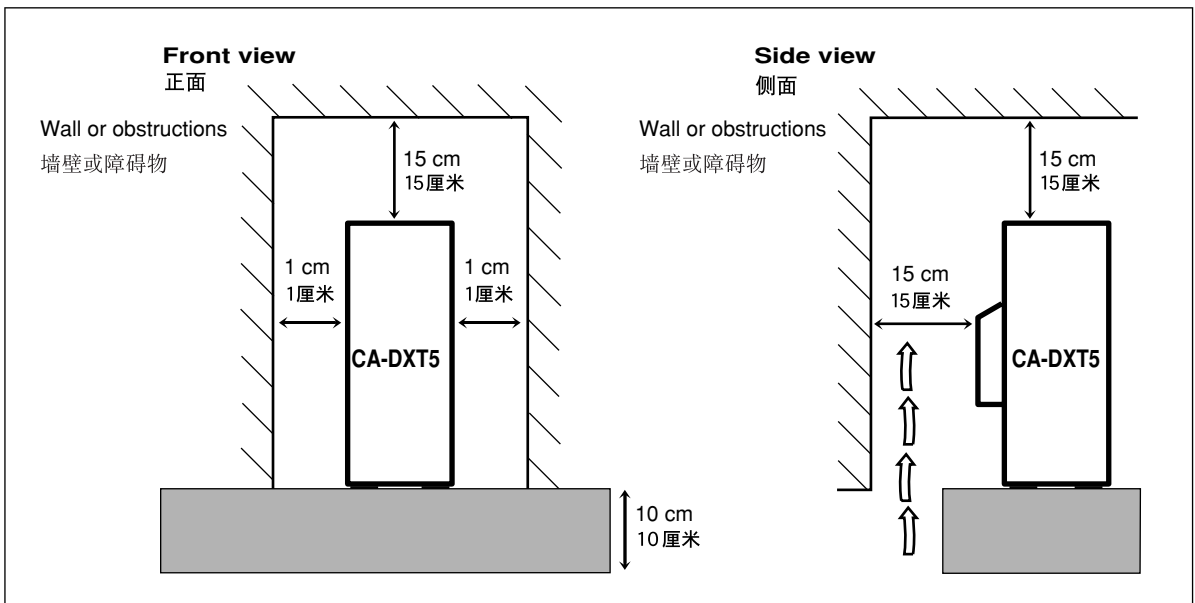
Caution: Proper Ventilation

To avoid risk of electric shock and fire, and to prevent damage, locate the apparatus as follows:
1. Front: No obstructions and open spacing.
2. Sides/Top/Back: No obstructions should be placed in the areas shown by the dimensions below.
3. Bottom: Place on the level surface. Maintain an adequate air path for ventilation by placing on a stand with a height of 10 cm or more.

注意：正确通风

为免发生触电和火警的危险，及防止本机受损，请将本机如下放置：
1. 前面：   没有障碍物及地方开阔。
2. 侧面／顶面／背面： 在图中所示范围中，不应放置任何障碍物。
3. 底部：   放置在水平面上。放置在一个高 10 厘米或以上的台上，以保持足够的通风道。

Front view
正面

Wall or obstructions
墙壁或障碍物

15 cm
15厘米

1 cm
1厘米

1 cm
1厘米

CA-DXT5

10 cm
10厘米

Side view
侧面

Wall or obstructions
墙壁或障碍物

15 cm
15厘米

15 cm
15厘米

CA-DXT5

IMPORTANT FOR LASER PRODUCTS

1. CLASS 1 LASER PRODUCT
2. **CAUTION**: Do not open the top cover. There are no user serviceable parts inside the unit; leave all servicing to qualified service personnel.
3. **CAUTION**: Visible and invisible laser radiation when open and interlock failed or defeated. Avoid direct exposure to beam.
4. REPRODUCTION OF LABEL: CAUTION LABEL, PLACED INSIDE UNIT.

镭射产品的重要说明

1. 一级镭射产品。
2. 注意: 请勿打开顶盖板，本机内部没有用户可自行维修的部件；所有维修工作应由有资格的人员完成。
3. 注意: 当内部锁定装置失效或者损坏后，打开盖板 可能会产生 可见或不可见的镭射辐射。应避免受到镭射光束的直接照射。
4. 标签的复制标示: 注意标签位于机内。

CAUTION : Visible and invisible laser radiation when open and interlock failed or defeated. AVOID DIRECT EXPOSURE TO BEAM. (e)	**ADVARSEL :** Synlig og usynlig laserstråling når maskinen er åben eller interlocken fejler. Undgå direkte eksponering til stråling. (d)	**VARNING :** Synlig och osynlig laserstrålning när den öppnas och spärren är urkopplad. Betrakta ej strålen. (s)	**VARO :** Avattaessa ja suojalukitus ohitettuna tai viallisena olet alttiina näkyvälle ja näkymättömälle lasersäteilylle. Vältä säteen kohdistumista suoraan itseesi. (f)

Introduction

Precautions ● ● ● ● ● ● ● ● ● ● ● ●

Installation

- Install the System in a location with adequate ventilation to prevent internal heat buildup in the System.

> **STOP!** DO NOT install the System in a location near heat sources, or in a place subject to direct sunlight, excessive dust or vibration.

- Install in a place which is level, dry and neither too hot nor too cold—between 5°C and 35°C.
- Leave sufficient distance between the System and the TV.
- Keep the speakers away from the TV to avoid interference with TV.

Power sources

- When unplugging the System from the wall outlet, always pull on the plug, not the AC power cord.

> **STOP!** DO NOT handle the AC power cord with wet hands.

Moisture condensation

Moisture may condense on the lenses inside the System in the following cases:
- After starting to heat the room
- In a damp room
- If the System is brought directly from a cold to a warm place.

Should this occur, the System may malfunction. In this case, leave the System turned on for a few hours until the moisture evaporates, unplug the AC power cord, then plug it in again.

Internal heat

- Make sure there is good ventilation around the unit. Poor ventilation could overheat and damage the unit.
  – A cooling fan is inside the unit to prevent heat buildup.

> **STOP!** DO NOT block the ventilation openings or holes. If they are blocked by a newspaper or cloth, etc., the heat may not be able to get out.

Others

- Should any metallic object or liquid fall into the System, unplug the AC power cord and consult your dealer before operating any further.

> **STOP!** DO NOT disassemble the System since there are no user serviceable parts inside.

- If you are not going to operate the System for an extended period of time, unplug the AC power cord from the wall outlet.

If anything goes wrong, unplug the AC power cord and consult your dealer.

Contents ● ● ● ● ● ● ● ● ● ● ● ●

Playable Disc Types ●●●●●●● INFO

DVD Logo is a trademark of DVD Format/Logo Licensing Corporation.

• CD-R/-RW: Recorded in the Audio CD/Video CD/ SVCD formats and MP3/WMA/JPEG files.
• DVD-R: Recorded in the DVD Video format.
• DVD-RW: Recorded in the DVD Video format or the Video Recording (DVD-VR) format.
• DVD-RAM: Recorded in the Video Recording (DVD-VR) format.

In addition to the above discs, this system can play back audio data recorded on CD Text, CD-G (CD Graphics), and CD-Extra.

• The following discs cannot be played back:
DVD+R, DVD+RW, CD-I (CD-I Ready), Photo CD, etc.
Playing back these discs will generate noise and damage the speakers.
• In this manual, "file" and "track" are interchangeably used for MP3/WMA/JPEG operations.

Caution for DualDisc playback:
The Non-DVD side of a "DualDisc" does not comply with the "Compact Disc Digital Audio" standard. Therefore, the use of Non-DVD side of a DualDisc on this product may not be recommended.

About color system
This System accommodates both NTSC and PAL system and can play back discs recorded with either system.
To change the color system, see page 14.

Note on Region Code
This System can play back only DVD Videos whose Region Code numbers include "3."
EX.:

Audio formats
The System can play back the following digital audio formats.
• **LPCM** (Linear PCM), **DD DIGITAL** (Dolby Digital), **DTS** (Digital Theater Systems), **MLP** (Meridian Lossless Packing)

When playing a multi-channel encoded DVDs, the System properly converts these multi-channel signals into 2 channels, and emits the downmixed sound from the main speakers and matrix surround speakers.
• **To enjoy the powerful sound of these multi-channel encoded DVDs,** connect a proper decoder or an amplifier with a proper built-in decoder to the OPTICAL DIGITAL OUTPUT terminal on the rear.

IMPORTANT: Before playing a disc, make sure of the following...
• Turn on the TV and select an appropriate input mode on the TV to view the pictures or on-screen displays.
• For disc playback, you can change the initial setting to your preference. See "Setup Menu Operations" on page 36.
If " ⊘ " appears on the TV screen when you press a button, the disc cannot accept the operation you have tried to do.

How to Read This Manual ●●●●●

• Button and control operations are explained as listed in the table below.
• **Some related tips and notes are explained later in the sections "Learning More about This System" and "Troubleshooting," but not in the same section explaining the operations (INFO indicates that the content has some information).**

	Indicates that you press the button **briefly.**
	Indicates that you press the button **briefly and repeatedly** until an option you want is selected.
	Indicates that you press one of the buttons.
2 sec.	Indicates that you **press and hold** the button for a specified period. The number inside the arrow indicates the period of press (in the example, 2 seconds).
	Indicates that you turn the control toward the specified direction(s).

Remote ONLY	Indicates that this operation is only possible using the remote control.
Main Unit ONLY	Indicates that this operation is only possible using the main unit.

2

Connections

Do not connect the AC power cord until all other connections have been made.

• Connect VIDEO OUT directly to the video input of your TV. Connecting VIDEO OUT to a TV via a VCR may interfere with your viewing when playing back a copy-protected disc. Your viewing may be interfered when connecting VIDEO OUT to an integrated TV/VCR system.

Supplied accessories
• FM antenna (x1)
• AM loop antenna (x1)
• Composite video cord (x1)
• Remote control (x1)
• Batteries (x2)
• AC plug adapter (x1)
If any item is missing, consult your dealer immediately.

❶ **From the video input of TV/monitor**
See page 4.

❷ **From the digital input of digital audio component such as CD recorder**
See page 4.

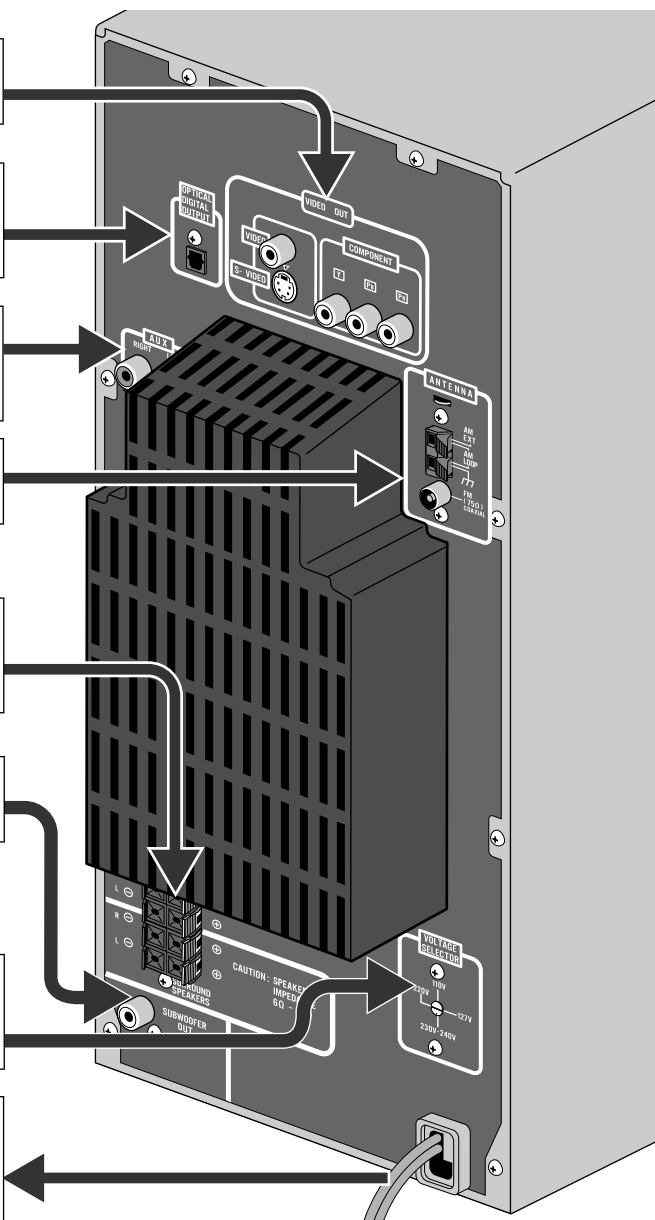❸ **From the analog audio output of auxiliary equipment (VCR, etc.)**
See page 4.

❹ **From AM/FM antenna**
See page 4.

❺ **From the main front/matrix surround speakers**
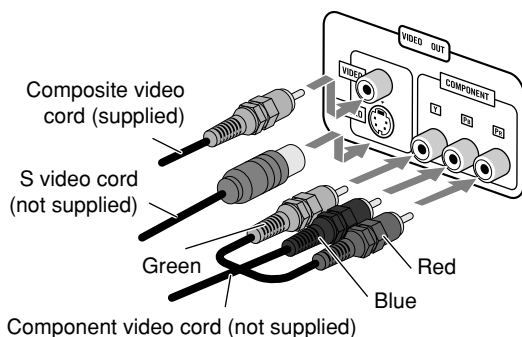See page 5.

❻ **From the powered subwoofer**
See page 5.

❼ **Voltage selector**
Before plugging in, confirm the position the voltage selector points at. See page 5.

❽ **To a wall outlet**
Plug the AC power cord only after all connections are complete.
• If the wall outlet does not match the AC plug, use the supplied AC plug adapter.

3

❶ TV/monitor

Composite video cord (supplied)

S video cord (not supplied)

Green
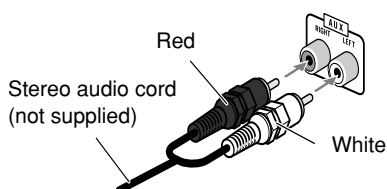
Red

Blue

Component video cord (not supplied)

- To select progressive scanning mode (see page 14), use COMPONENT jacks.
- **Connect the VIDEO jack, S-VIDEO jack, or COMPONENT jacks whichever you want to use.**
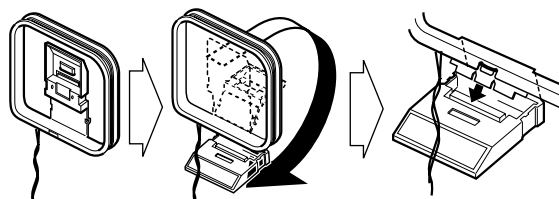
❷ Digital audio component

Protective cap
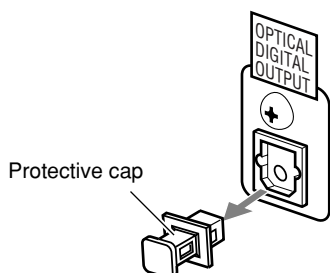
- Set "DIGITAL AUDIO OUTPUT" in the "AUDIO" menu correctly according to the connected digital audio equipment (see page 37). If setting is incorrect, loud noise may be generated causing damage to the speakers.
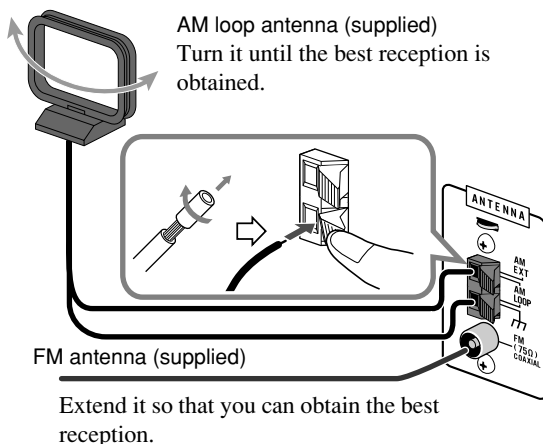
❸ Auxiliary equipment

Red

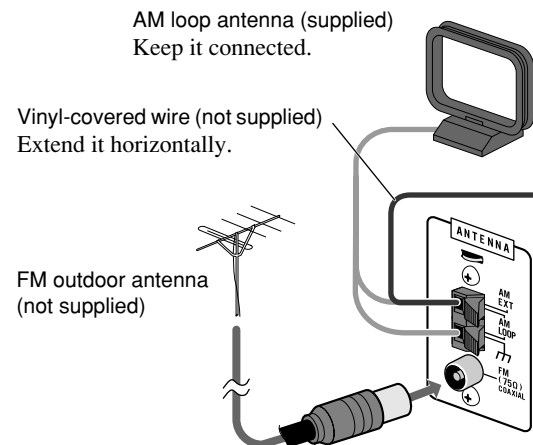Stereo audio cord (not supplied)

White

❹ AM/FM antenna

To assemble the AM loop antenna

To connect AM/FM antenna

AM loop antenna (supplied)
Turn it until the best reception is obtained.

FM antenna (supplied)

Extend it so that you can obtain the best reception.

For better AM/FM reception

AM loop antenna (supplied)
Keep it connected.

Vinyl-covered wire (not supplied)
Extend it horizontally.

FM outdoor antenna (not supplied)

- Disconnect the supplied FM antenna, and connect to an outdoor FM antenna using a 75 Ω wire with coaxial type connector (IEC or DIN45325).
- Make sure the antenna conductors do not touch any other terminals, connecting cords and power cord. Also, keep the antennas away from metallic parts of the System, connecting cords, and the AC power cord. This could cause poor reception.

5 Front main speakers and matrix surround speakers

• When connecting the speaker cords, match their polarity with that of the speaker terminals: red/white to (+) and black to (–).
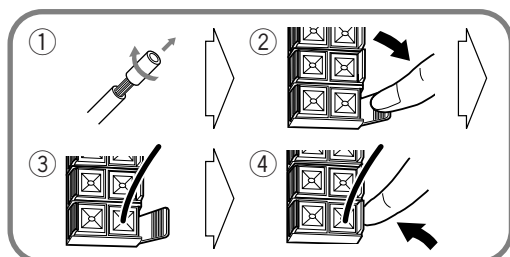
From right front main speaker

CAUTION:
SPEAKER
IMPEDANCE
4Ω – 16Ω

MAIN
SPEAKERS

From left front main speaker

R ⊖ ⊕
L ⊖ ⊕
R ⊖ ⊕
L ⊖ ⊕

CAUTION: SPEAKER
IMPEDANCE
16Ω – 32Ω

SURROUND
SPEAKERS

From right matrix surround speaker

From left matrix surround speaker

• Use only speakers with the same speaker impedance as indicated by the speaker terminals on the rear of the System.
• The front main speakers are magnetically shielded to avoid color distortions on TVs. However, if not installed properly, it may cause color distortions. So, pay attention to the following when installing the speakers.
  – When placing the speakers near a TV set, turn off the TV's main power switch or unplug it before installing the speakers.
   Then wait at least 30 minutes before turning on the TV's main power switch again.
  Some TVs may still be affected even though you have followed the above instruction. If this happens, move the speakers away from the TV.
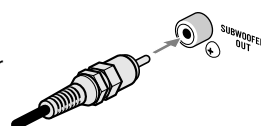
⚠ STOP!

• DO NOT connect more than one speaker to each terminal.
• DO NOT push or pull the speakers as this will damage the foot spacers at the bottom of the speakers.
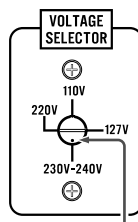

To remove the speaker grilles of the main speakers

Holes

Projection

Speaker grille
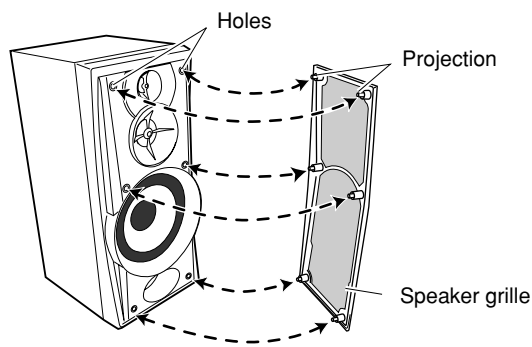
6 Powered subwoofer

From the powered subwoofer (not supplied)

SUBWOOFER OUT

7 To adjust the voltage selector

VOLTAGE
SELECTOR
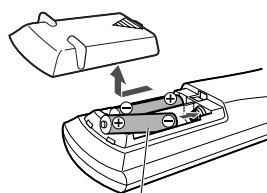
110V
220V   127V
230V-240V

Voltage mark

Use a screwdriver to rotate the voltage selector so that the voltage mark is pointing at the same voltage as where you are plugging in the unit. (See also the back cover page.)

⚠ STOP!

DO NOT plug in before setting the voltage selector and all connection procedures are complete.

Preparing the remote control ● ● ● ● ●

R6(SUM-3)/AA(15F)

When using the remote control, point the top of the remote control toward the remote sensor as directly as possible. If you operate it from a diagonal position, the operating range (approx. 5 m) may be shorter.

• Dispose of batteries in the proper manner, according to federal, state, and local regulations.

⚠ STOP!

DO NOT recharge, short, disassemble or heat the battery or dispose of it in a fire.

5

Display Indication

The indications on the display teach you a lot of things while you are operating the System,
Before operating the System, be familiar with when and how the indicator illuminates on the display.
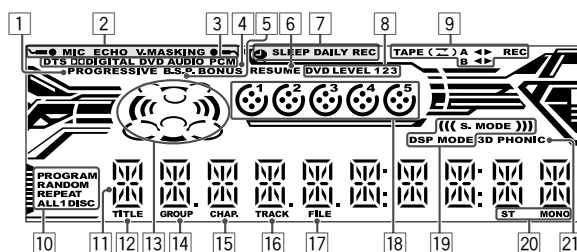
1 PROGRESSIVE indicator
  • Lights when the progressive scanning mode is selected.

2 Karaoke operation indicators (see pages 31 to 33)
  • ▭•/•▭: lights when the Mic Mixing Mode is activated; flashes when scoring function is in use.
  • MIC: lights when the Mic Mixing Mode is activated; flashes when scoring function is in use.
  • ECHO: lights when the echo effect is activated.
  • V.MASKING: lights when the Vocal Masking Mode is activated.

3 Source signal indicators
  • DTS: lights when a source signal is DTS.
  • ▭▭ DIGITAL: lights when a source signal is Dolby Digital.
  • DVD: lights when DVD Video is detected.
  • DVD AUDIO: lights when DVD Audio is detected.
  • PCM: lights when a source signal is linear PCM.

4 BONUS indicator
  • Lights when DVD Audio with bonus group is detected (see page 18).

5 B.S.P. indicator
  • Lights when browsable still pictures on DVD Audio are available (see page 17).

6 RESUME indicator
  • Lights when Resume is activated (see page 37).

7 Timer indicators
  • ● : lights when Daily Timer or Recording Timer stands by or is working or being set.
  • SLEEP: lights when the Sleep Timer is activated.
  • DAILY: lights when the Daily Timer stands by; flashes while working or being set.
  • REC: lights when the Recording Timer stands by; flashes while working or being set.

8 DVD LEVEL 1/2/3 indicators
  • Lights to indicate the DVD Video increase level.

9 Tape operation indicators
  • TAPE: lights when a tape is loaded in either deck A or B.
  • (⊐) (Reverse Mode): lights to indicate the current Reverse Mode (see page 11).
  • A: lights when a tape is in the deck A.
  • B: lights when a tape is in the deck B.
  • ◄ ► (tape direction):
    – Lights to indicate the current tape running direction.
    – Flashes slowly during playback and recording.
    – Flashes quickly while rewinding a tape.
  • REC: lights while recording.

10 Disc operation indicators
  • PROGRAM: lights when Program Play is activated.
  • RANDOM: lights when Random Play is activated.
  • REPEAT: lights when Repeat Play is activated.
  • ALL DISC: lights when All Disc Repeat is activated.
  • 1 DISC: lights when One Disc Repeat is activated.
  • 1: lights when One Track/Chapter/Step Repeat is activated.

11 Main display

12 TITLE indicator
  • Lights to indicate the title number for DVD Video.

13 Audio signal indicators
  • Lights to indicate the incoming audio channel signals.

14 GROUP indicator
  • Lights to indicate the group number.

15 CHAP. indicator
  • Lights to indicate the chapter number.

16 TRACK indicator
  • Lights to indicate the track number.

17 FILE indicator
  • Lights to indicate the file number.

18 Disc indicators
  • 1 – 5: lights to indicate the current disc tray.
  • ❖ : lights when a disc is detected on the disc tray; rotates during playback or paused.

19 Sound Mode indicators (see page 13)
  • S.MODE: lights when one of the Sound Modes (Surround/SEA/User Modes) is activated (for Surround mode, ((( ))) also lights).
  • DSP MODE: lights when one of the Surround Modes is activated.

20 FM reception indicators
  • ST (stereo): lights while an FM stereo station with sufficient signal strength is tuned in.
  • MONO: lights while receiving an FM stereo station in monaural.

21 3D PHONIC indicator
  • Lights when 3D Phonic is activated (see page 14).

Daily Operations—Playback

In this manual, the operation using the remote control is mainly explained; however, you can use the buttons and controls on the main unit if they have the same (or similar) name and marks.

DISC 1 –
DISC 5

FM MODE / ‖

TOP MENU — MENU

◄/►/▲/▼/
ENTER

GROUP/TITLE

10 keys

RETURN

REVERSE
MODE

SET

1 ⏻/ǀ AUDIO

2 AUX

DVD/CD TAPE-A TAPE-B FM/AM

3 AUDIO VOL

VOLUME 15

❶ Turn on the power.
The STANDBY lamp on the main unit goes off.
• Without pressing ⏻/ǀ AUDIO, the System also turns on by pressing one of the source select buttons in the next step.

❷ Select the source.
Playback automatically starts if the selected source is ready to start playback.
• If you press AUX, start playback source on the external component.

❸ Adjust the volume.

❹ Operate the target source as explained later.

To turn off (stand by) the system

⏻/ǀ AUDIO

The STANDBY lamp on the main unit lights in red.
• A small amount of power is always consumed even while on standby.

For private listening
Connect a pair of headphones to the PHONES jack on the main unit. The sound will no longer come out of the speakers. **Be sure to turn down the volume before connecting or putting the headphones.**
• Disconnecting the headphones will activate the speakers again.

⚠ STOP!
DO NOT turn off (stand by) the System with the volume set to an extremely high level; Otherwise, the sudden blast of sound can damage your hearing, speakers and/or headphones when you turn on the System or start playback.
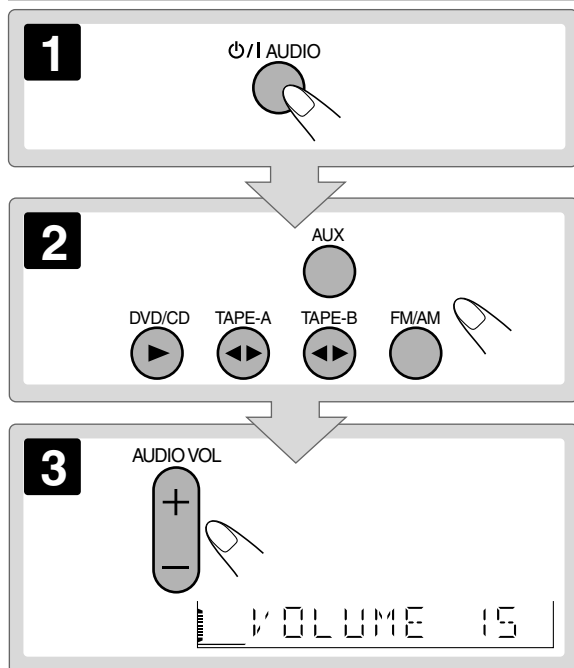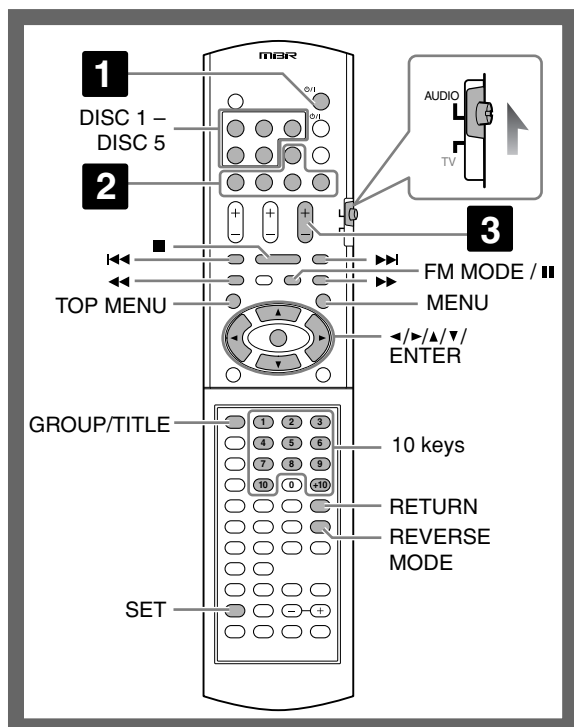
Canceling the Demonstration
Main Unit ONLY

2 sec.
DEMO → DEMO OFF → DEMO START →

DEMO OFF
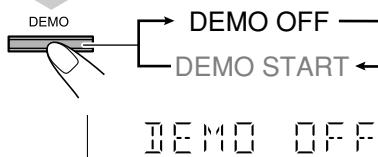
To start the demonstration, select DEMO START.
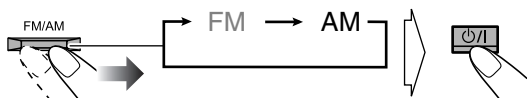
Listening to the Radio ● ● ● ● ● INFO

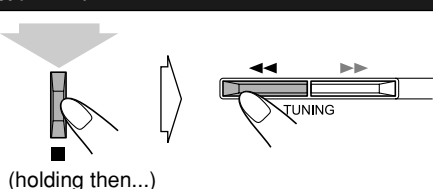### To select the AM tuner interval spacing
Main Unit ONLY

Some countries space AM stations 9 kHz apart, and other countries use 10 kHz spacing.
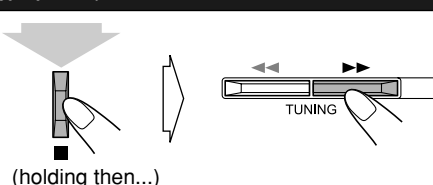
1 Select "AM," then turn off (stand by) the System.

FM/AM → FM → AM

2 Select the AM tuner interval spacing.

To select 9 kHz:

◄◄ ►►
TUNING
(holding then...)

To select 10 kHz:

◄◄ ►►
TUNING
(holding then...)

To select the band (FM/AM)

FM/AM → FM → AM
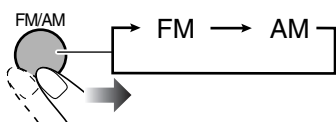
To tune in to a station
While FM or AM is selected...

1 sec.

◄◄ ►► → Increases the frequencies.
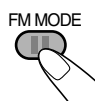
→ Decreases the frequencies.
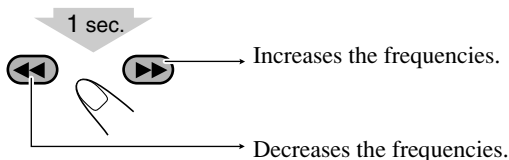
Frequency starts changing on the display.
When a station (frequency) with sufficient signal strength is tuned in, the frequency search stops.
• When you repeatedly press the button, the frequency changes step by step.

To stop searching manually, press either button.

If the received FM station is hard to listen
Remote ONLY »)

FM MODE

The MONO indicator lights on the display. Reception will improve though stereo effect is lost—monaural reception mode.
To restore the stereo effect, press the button again (the MONO indicator goes off).

To preset stations **Remote ONLY** »)

You can preset 30 FM and 15 AM stations.
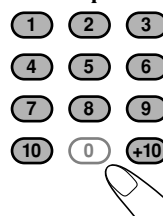• To cancel the operation during process, press CANCEL.

1 Tune in to a station you want to preset.
• You can also store the monaural reception mode for FM preset stations if selected.

2 Start presetting.

SET

SET

3 Select a preset number.

(1) (2) (3)
(4) (5) (6)
(7) (8) (9)
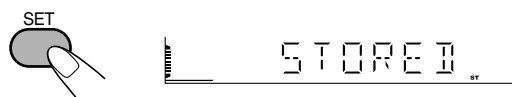(10) (0) (+10)

Examples:
To select preset number 5, press 5.
To select preset number 15, press +10, then 5.
To select preset number 30, press +10, +10, then 10.
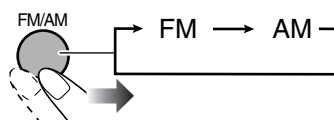• You can also use +/– buttons.

P – 12

4 Store the station.

SET

STORED

To tune in to a preset station

1 Select the band (FM or AM).

FM/AM → FM → AM

8

2 Select a preset number.

Examples:
To select preset number 5, press 5.
To select preset number 15, press +10, then 5.
To select preset number 30, press +10, +10, then 10.
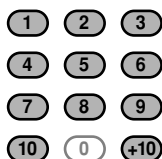• You can also use |◄◄/►►| buttons on the remote control or PRESET +/– buttons on the main unit.

Playing Back a Disc ●●●●●● INFO

Before operating a disc, be familiar how a disc is recorded.
• DVD Video comprises of "**Titles**" which includes "**Chapters,**" DVD Audio/MP3/WMA comprise of "**Groups**" which includes "**Tracks,**" JPEG comprises of "**Groups**" which includes "**Files,**" and CD/SVCD/VCD comprise of only "**Tracks**."
• For JPEG playback, see page 27.

To insert discs
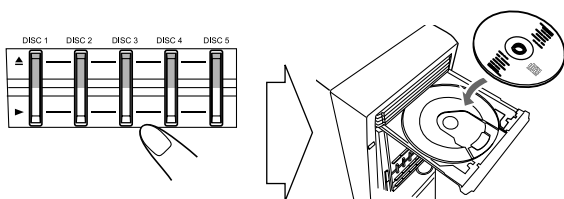
• When using an 8 cm disc, place it on the inner circle of the disc tray.

To close the disc tray, press the same ▲ again.
• If you press ► for the same tray, the disc tray closes automatically and playback starts.

To start:	To pause:	To stop:
DVD/CD ►	FM MODE	■
Playback of the current disc starts.	To release it, press DVD/CD ►.	

While playing DVD/SVCD/VCD/MP3: This System can store the stop point, and when you start playback again by pressing DVD/CD ►, it starts from the position where you have stopped—Resume Play. (RESUME indicator lights up when you stop playback.)
To stop completely while Resume is activated, press ■ twice. (To cancel Resume, see "RESUME" on page 37.)

On-screen guide icons
• During disc playback, the following icons may appear for a while on the TV screen:

   📹 Appears at the beginning of a scene containing multi-angle views.

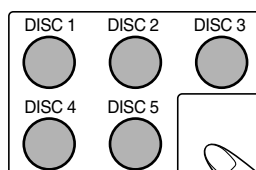   ◯)) Appears at the beginning of a scene containing multi-audio languages.

   .... Appears at the beginning of a scene containing multi-subtitle languages.

• The following icons will be also shown on the TV screen to indicate your current operation.
  ▶ , ❚❚ , ▶▶ , ◀◀ , ❚▶ , ◀❚
• To deactivate the on-screen guide icons, see "ON SCREEN GUIDE" on page 37.
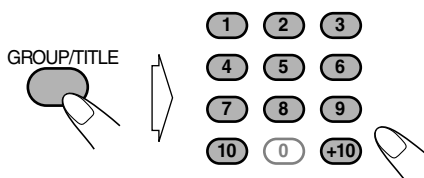
To select a disc

Playback starts.
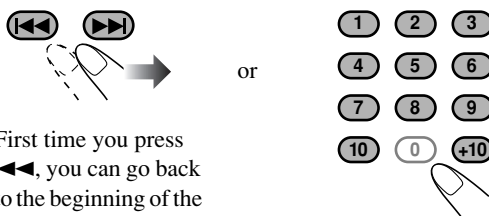
To select a title/group

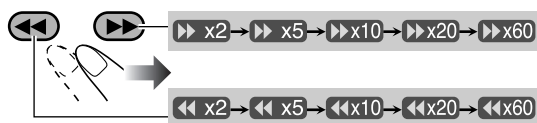While playing a disc...

To select a chapter/track

While playing a disc...

or

• First time you press |◄◄, you can go back to the beginning of the current chapter/track.

9

To locate a particular portion

While playing a disc except MP3/WMA...

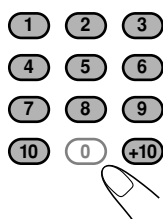- No sound comes out while searching on DVD Video/ SVCD/VCD.

To return to normal playback, press DVD/CD ▶.

To select an item directly *Remote ONLY* »)

You can select a title/chapter/track directly and start playback.

- For DVD Video, you can select **a title before starting playback**, while you can select **a chapter after starting playback**.

Examples:
To select number 5, press 5.
To select number 15, press +10, then 5.
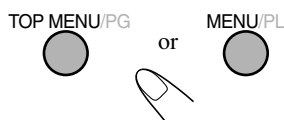To select number 30, press +10, +10, then 10.
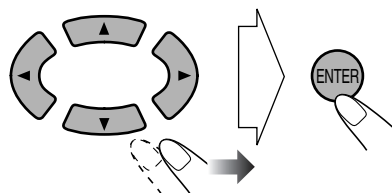
To play back by using the disc menu *Remote ONLY* »)

You can operate the disc play using the disc menu.

■ For DVD Video/DVD Audio

1 Show the disc menu.

TOP MENU/PG   or   MENU/PL

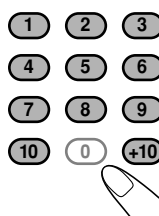**2** Select an item on the disc menu.

- On some discs, you can also select items by entering the number using the 10 keys.

■ For SVCD/VCD with PBC

While playing a disc with PBC, "PBC" appears on the display instead of the playing time.
When disc menu appears on the TV screen, select an item on the menu. Playback of the selected item starts.

Examples:
To select number 5, press 5.
To select number 15, press +10, then 5.
To select number 30, press +10, +10, then 10.

To move to the next or previous page of the current menu:	To return to the previous menu:
(◄◄) (►►)	RETURN
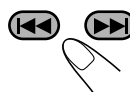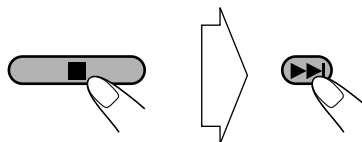
To cancel PBC

You can also cancel PBC by pressing the 10 keys to start playback when disc menu is not shown on the TV screen.

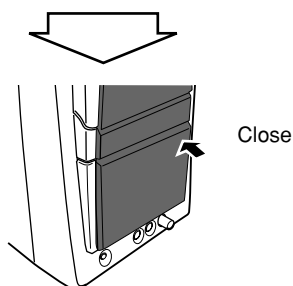**To reactivate PBC,** press ■, then press ◄◄.

10

Playing Back a Tape ● ● ● ● ● ● ● ● ● ●

To insert a tape

You can play back type I tapes.

• The use of C-120 or longer tape is not recommended.

Push

Insert

Close

To start:	To stop:
TAPE-A TAPE-B	
To rewind tape:	
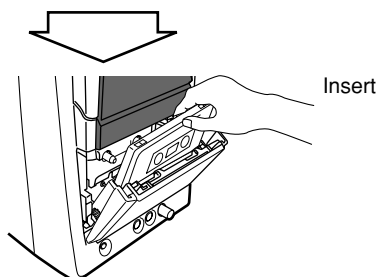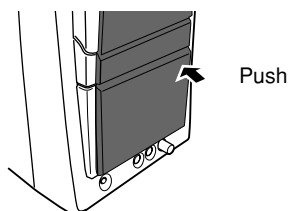
To change the tape running direction

TAPE-A TAPE-B

→ ► (forward) ─┐
◄ (reverse) ◄─┘
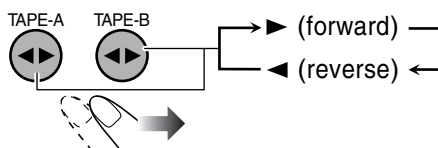
To reverse the tape automatically

REVERSE MODE
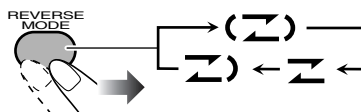
(⇄)	Tape is reversed, and playback repeats until you stop it.
⇄	Tape is not reversed. When the current side of the tape reaches its end, playback stops.
⇄)	Tape is reversed once.

To playback the both decks A and B continuously —Relay Play

When the cassettes are set in the both decks...

REVERSE MODE

TAPE-A TAPE-B
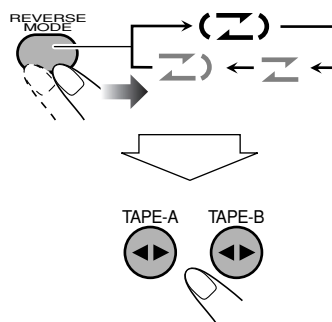
You can start playback of either deck A or B.

11

Daily Operations—Sound&Other Adjustments

Remote Control

AUDIO VOL +/−

◄/►/▲/▼/
ENTER

VFP /
SCAN MODE

DVD LEVEL

ACTIVE
BASS EX.

SOUND MODE

3D PHONIC

RHYTHM AX

+/−

SET

L/R BALANCE

CLOCK/TIMER

SETTING

SLEEP

DIMMER

Main unit

JVC

ACTIVE BASS
EX. +/−

VOLUME +/−

SOUND MODE
DVD LEVEL

RHYTHM AX
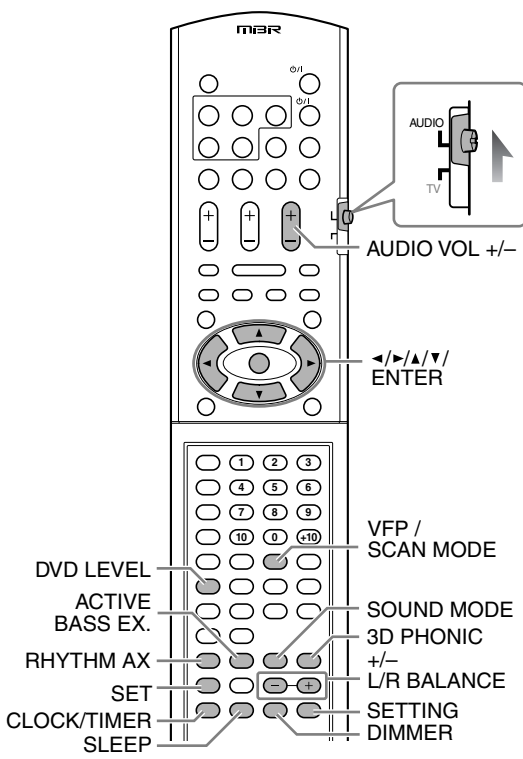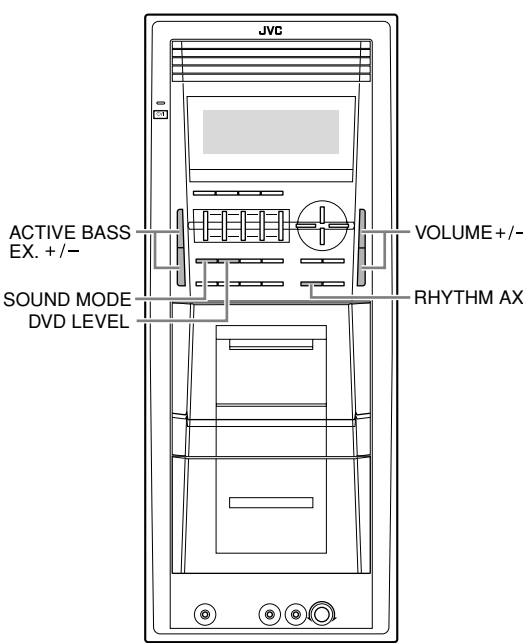
Adjusting the Volume ● ● ● ● ● ● ● ●

The volume level can be adjusted in 32 steps (VOLUME MIN, VOLUME 1 – VOLUME 30, and VOLUME MAX).

Remote control:	Main unit:
AUDIO VOL	+ − VOLUME
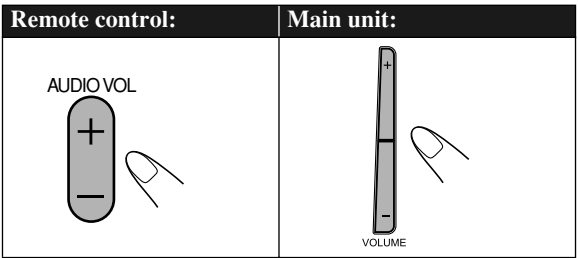
Reinforcing the Bass Sound ● ● ● ● ●

To adjust the bass level gradually—ACTIVE BASS EX.

You can select the bass level from level 0 (minimum) to level 2 (maximum).

Remote control:	Main unit:
ACTIVE BASS EX	+ − ACTIVE BASS EX.
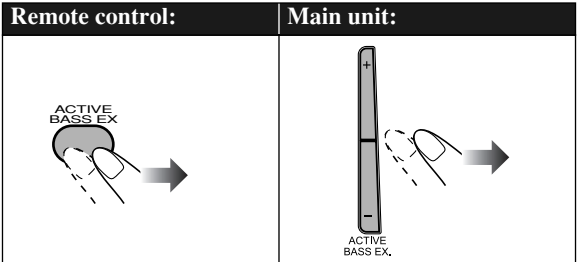
To emphasize rhythmical feeling—RHYTHM AX

This function emphasizes bass attack feeling.

RHYTHM AX → ON → OFF
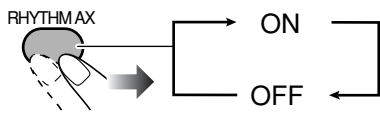
Adjusting the Output Balance (Remote ONLY) »» ●

You can adjust the speaker output balance.

1 Enter the balance setting mode.

SETTING → LR BALANCE ↔ FANFARE   SET
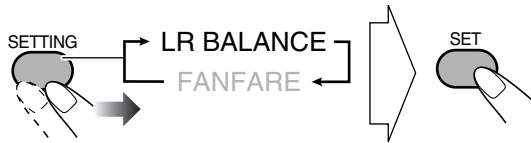
2 Adjust the balance.

L − BALANCE − R

− +   R −6 ◄···► 0 ◄···► L −6
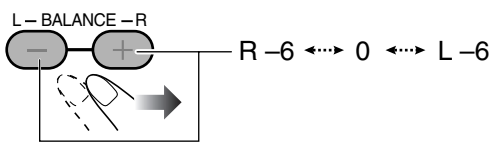
Selecting the Sound Modes ●●●●●●●●

You can select one of the preset Sound Modes.

SEA Modes

SOUND MODE → ROCK → POP → CLASSIC → USER1–3 ← STADIUM ← HALL ← DANCE ← MULTI ← OFF

Surround Modes*
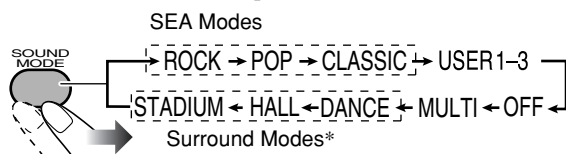
SEA (Sound Effect Amplifier) Modes	
ROCK	Boosts low and high frequency. Good for acoustic music (initial setting).
POP	Good for vocal music.
CLASSIC	Good for classical music.
User Modes	
USER1/2/3	Your individual mode stored in memory. See the next column "Creating Your Own Sound Modes—User Mode."
Multi Mode	
MULTI	Outputs the same sound from the surround speakers as the sound output from the main speakers.
Surround Modes*	
DANCE	Increases resonance and bass.
HALL	Adds depth and brilliance to the sound.
STADIUM	Adds clarity and spreads the sound, as in an outdoor stadium.

* Surround elements are added to the SEA elements to create being-there feeling in your room.

To cancel the Sound Mode, select "OFF."

Creating Your Own Sound Modes—User Mode ●●●●●●●●

You can adjust the preset Sound Modes to create your own Sound Modes which suit your taste. The changed settings can be stored as the USER1, USER2 and USER3 Modes.
• If you want to add surround elements into your Sound Mode, select one of the Surround Modes to adjust.

While the Sound Mode name is shown on the display...

1 Enter the SEA Control Mode.

SET

SEA CONT

2

SET

BASS +3
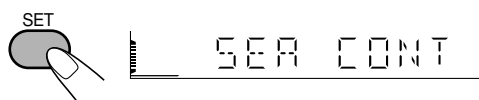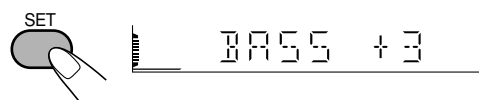
3 Adjust the SEA pattern.
① Adjust BASS.
② Adjust TREBLE.

L — BALANCE — R

SET
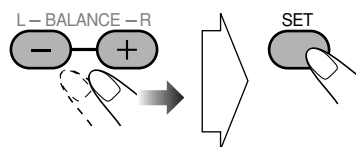
• You can adjust the bass and treble level from –5 to +5.

4 Select one of the User Modes.

L — BALANCE — R

USER1 ↔ USER2 ↔ USER3

USER 1
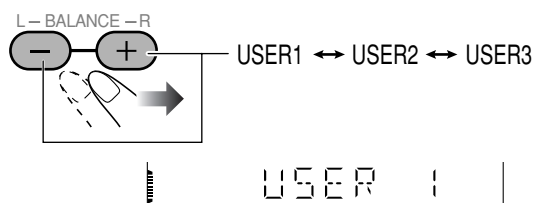
5 Store the setting.

SET

MEMORY
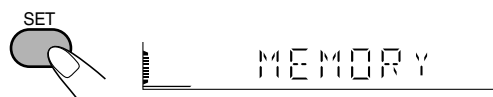
• The Sound Mode changes to the one you have stored.

13

Creating 3-dimensional Sound Field—3D Phonic ●●●● *Remote ONLY* »» ●●● INFO

While playing a disc...

3D PHONIC

| 3D PHONIC | ACTION | → | 3D PHONIC | DRAMA |
| 3D PHONIC | OFF | ← | 3D PHONIC | THEATER |

On the TV screen
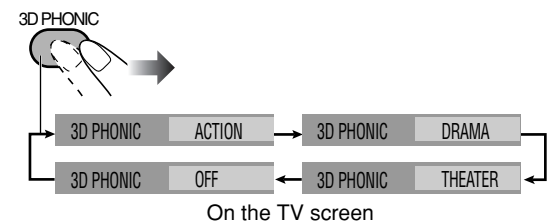
3D ACTION	Suitable for action movies and sports programs.
3D DRAMA	Creates natural and warm sound. Enjoy movies in a relaxed mood.
3D THEATER	Enjoy sound effects like in a major theater.

Presetting Automatic DVD Video Sound Increase Level ●●●●●●●●●●

The DVD Video sound is sometimes recorded at a lower level than for other discs and sources. You can set the increase level for the currently loaded DVD Video, so you do not have to adjust the volume when you change the source.

DVD LEVEL → DVD LEVEL1 → DVD LEVEL2 → DVD LEVEL3

As the number increases, sound level also increases.
• The initial setting is "DVD LEVEL3."

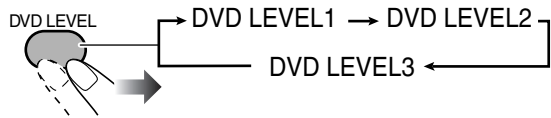## Changing the Color System and Scanning Mode *Remote ONLY* »» ●●● INFO

You can select the video output to match it to the color system of your TV (NTSC or PAL).
• If you connect a progressive TV through the COMPONENT jacks, you can enjoy a high quality picture from the built-in DVD player by selecting progressive scanning mode.
• You can change the setting only while the disc playback is stopped.

1 Enter the color system setting mode.

4 sec.

SCAN MODE
VFP
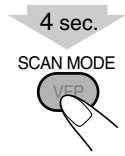
2 Select the color system and scanning mode.

L — BALANCE — R

NTSC ↔ PAL
PAL PROG ↔ NTSC PROG
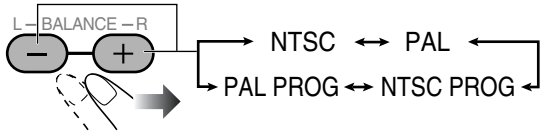
| **NTSC / PAL** | NTSC or PAL Interlaced scanning. For a conventional PAL or NTSC TV. |
| **NTSC / PAL PROG** | NTSC or PAL Progressive scanning. For a progressive NTSC or PAL TV. |

3 Store the setting.

SET
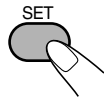
Changing the Picture Tone *Remote ONLY* »» ●●

While viewing a playback pictures on the TV, you can select the preset picture tone, or adjust it and store your own preference.

To select a preset picture tone

1 While playing, display VFP setting screen.

SCAN MODE
VFP

NORMAL	
GAMMA	0
BRIGHTNESS	0
CONTRAST	0
SATURATION	0
TINT	0
SHARPNESS	0

On the TV screen

14

2 **Select a preset picture tone.**

→NORMAL ←→ CINEMA ←
→USER2 ←→ USER1 ←
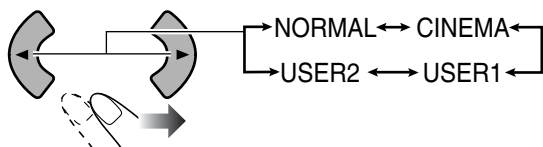
NORMAL	Normally select this.
CINEMA	Suitable for a movie source.
USER1/USER2	You can adjust parameters and can store the settings (see below).

To adjust the picture tone

1 **Select "USER1" or "USER2."**
• Follow steps **1** and **2** explained on the previous page.

2 **Select a parameter you want to adjust.**
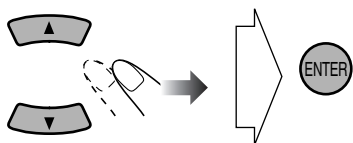
GAMMA	Adjust if the neutral color is bright or dark. The brightness of dark and bright portions is maintained (–3 to +3).
BRIGHTNESS	Adjust if the picture is bright or dark as a whole (–8 to +8).
CONTRAST	Adjust if the far and near position is unnatural (–7 to +7).
SATURATION	Adjust if the picture is whitish or blackish (–7 to +7).
TINT	Adjust if the human skin color is unnatural (–7 to +7).
SHARPNESS	Adjust if the picture is indistinct (–8 to +8).

3 **Adjust the parameter.**

4 **Repeat steps 2 to 3 to adjust other parameters.**

To erase the VFP screen, press VFP again.

Changing the Display Brightness
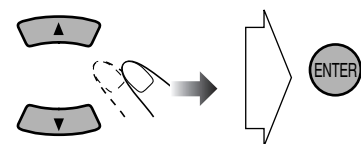

DIMMER → DIMMER 1 → DIMMER 2 ┐
└ DIMMER OFF ←
(Canceled)
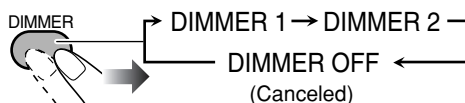
DIMMER 1	Dims the display and the illumination on the main unit*.
DIMMER 2	Dims the display (same as DIMMER 1) and turns off the illumination on the main unit*.

* Except for the RHYTHM AX and KARAOKE SCORING lamps.

Setting the Clock   INFO

Without setting the build-in clock, you cannot use any timers.
• To exit from the clock setting, press CLOCK/TIMER as required.
• To correct a misentry during the process, press CANCEL. You can return to the previous step.

1 **Activate clock setting mode.**
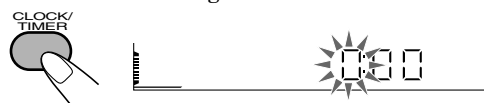
• If you have already adjusted the clock before, press the button repeatedly until the clock time starts flashing.

2 **Adjust the hour, then minute.**
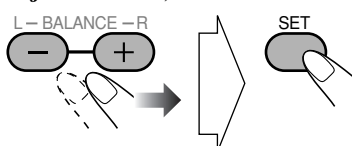
Now the built-in clock starts working.

Turning Off the Power Automatically

With Sleep Timer, you can fall asleep while listening to music.

1 **Specify the time (in minutes).**

SLEEP → 10 → 20 → 30 → 60 → 90 ┐
└ Canceled ← 150 ← 120 ←
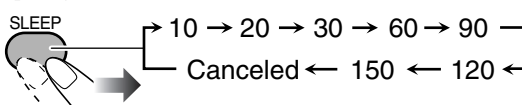
2 **Wait until the set time goes off.**

To check the time remaining until the shut-off time

SLEEP
• If you press the button repeatedly, you can change the shut-off time.

Unique DVD/VCD Operations

Remote Control

DVD/CD ▶

◀◀ ▶▶

GLANCE
BACK ↩ ⏸

◀/▶/▲/▼/
ENTER

AUDIO
SUB TITLE
ANGLE
ZOOM
PAGE

10 keys
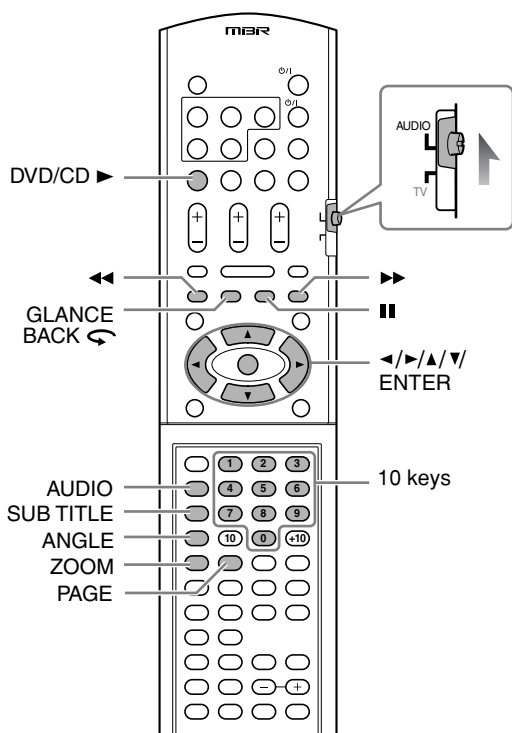
Selecting the Sound Track Remote ONLY ⟫ INFO

For DVD Video: While playing back a chapter containing audio languages, you can select the language to listen to.
For DVD Audio: While playing back a track containing audio channels, you can select the audio channel to listen to.
For DVD-VR/Karaoke SVCD/VCD: When playing back a track, you can select the audio channel to play.

• You can also select the audio track using the on-screen bar (see page 23).

While playing DVD Video...

AUDIO

Ex.:

| 1/3 | 2/3 | 3/3 |
| ENGLISH | FRENCH | JAPANESE |

Hello → Bonjour → おはよう
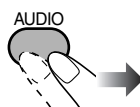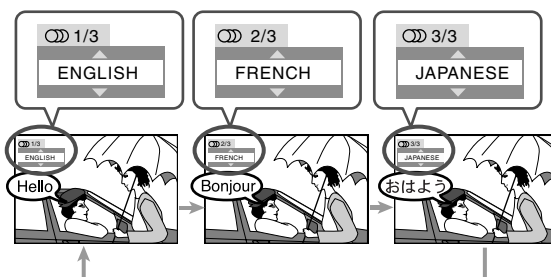
While playing a DVD-VR, SVCD, or VCD...

AUDIO

SVCD
→ ST1 → ST2 → L1 ┐
└ R2 ← L2 ← R1 ←

DVD-VR/VCD
→ ST → L → R ┐
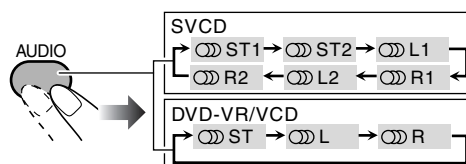
ST1/ST2/ST	To listen to normal stereo (2 channel) playback.
L1/L2/L	To listen to the left audio channel.
R1/R2/R	To listen to the right audio channel.

• SVCD can have 4 audio channels. Karaoke SVCD usually uses these 4 channels to record two 2-channel recordings (ST1/ST2).

Selecting the Subtitle Language `Remote ONLY` »›

For DVD Video: While playing back a chapter containing subtitles in different languages, you can select the subtitle language to display on the TV screen.

For DVD-VR: While playing, you can turn on or off the subtitle.

For SVCD: While playing, you can select the subtitles even if no subtitles are recorded on the disc.

• You can also select the subtitle language using the on-screen bar (see page 23).

While playing a DVD Video...

1 **Display the subtitle selection window.**

SUB TITLE

2 **Select the subtitle language.**

Ex.:

.... 1/3	.... 2/3	.... 3/3
ENGLISH	FRENCH	JAPANESE
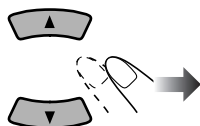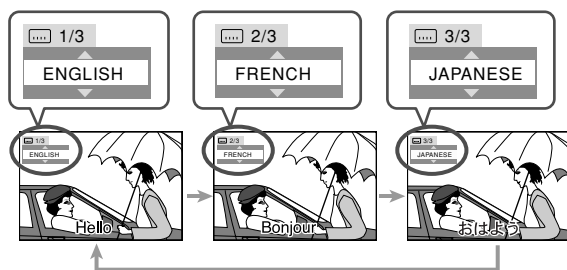
While playing a DVD-VR...

SUB TITLE

.... ON	.... OFF
ON	OFF

While playing an SVCD...

SUB TITLE

.... −/4	.... 1/4	.... 2/4
OFF	1	2

.... 4/4	.... 3/4
4	3
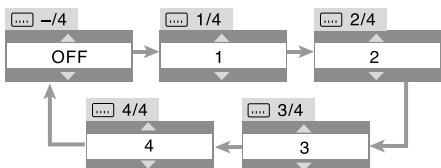
Selecting the View Angle `Remote ONLY` »›

For DVD Video only: While playing back a chapter containing multi-view angles, you can view the same scene from different angles.

• You can also select the view angle using the on-screen bar (see page 23).

While playing back...

ANGLE

Ex.:

1/3	2/3	3/3
1	2	3
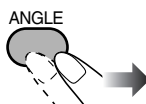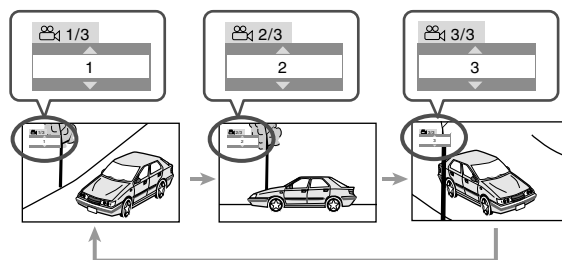
Reviewing the Playback Quickly `Remote ONLY` »›

For DVD Video/DVD-VR only: You can move the playback position to 10 seconds before the current position (only within the same title)—Glance Back.

While playing back...

GLANCE BACK
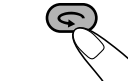
Selecting Browsable Still Pictures `Remote ONLY` »›

For DVD Audio only: While playing back a track linked to browsable still pictures (B.S.P.), you can select the still picture (turn the page) to be shown on the TV screen.

• If a track is linked to browsable still pictures (B.S.P.), they are usually shown in turn automatically during playback.

• You can also select the page using the on-screen bar (see page 23).

PAGE

Each time you press the button, the still picture changes one after another (if available).

17

Playing Back Bonus Group

For DVD Audio only: Some DVD Audios have a special group called "bonus group" whose contents are not open to the public.
• To play back a bonus group, you have to enter the specific "key number" (a kind of password) for the bonus group. The way of getting the key number depends on the disc.

1 Select the bonus group.
• The bonus group is usually recorded as the last group (for example, if a disc contains 4 groups including a bonus group, "group 4" is the bonus group).
• For how to select the group, see "To select a title/group" on page 9.

2 Enter the key number.
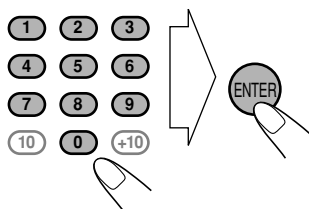
3 Follow the interactive instruction shown on the TV screen.

To cancel the key number entry, press ■.

Special Picture Playback

Still picture playback
While playing...

Still picture playback starts.

To resume normal playback, press DVD/CD ►.

Frame-by-frame playback

1 While playing...

Still picture playback starts.

2 Advance the still picture frame by frame.
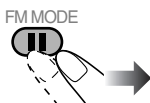
To resume normal playback, press DVD/CD ►.

Slow-motion playback

1 While playing...

Still picture playback starts.

2 Select slow motion speed.

| ►► | ▶1/32 → ▶1/16 → ▶1/8 → ▶1/4 → ▶1/2 |
| ◄◄ * | ◀1/32 → ◀1/16 → ◀1/8 → ◀1/4 → ◀1/2 |
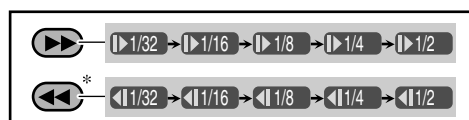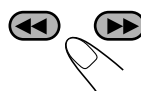
* Not available for DVD-VR/SVCD/VCD.

To resume normal playback, press DVD/CD ►.

Zoom

1 While playing...

ZOOM 1 → ZOOM 2 → ZOOM 3 → ZOOM 4 → ZOOM 5 → ZOOM 6 → ZOOM OFF
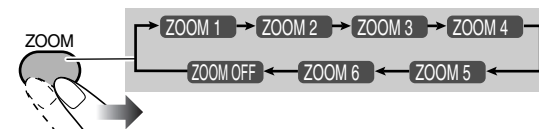
As the number increases, magnification also increases.
• For JPEG, see page 28.

2 Move the zoomed-in position.
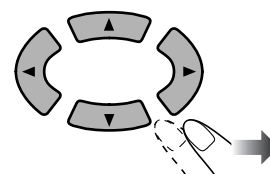
To resume normal playback, press ZOOM repeatedly until "ZOOM OFF" appears on the TV screen.

18

Advanced Disc Operations

Remote Control

DVD/CD ▶

AUDIO

TV

■ / ▶▶I / I◀◀ / ❚❚

▲ / ▼

10 keys

REPEAT

PLAY MODE

CANCEL

Main unit

JVC

DVD/CD

DISC 1 ▲

▶▶I / I◀◀ / ❚❚ / ■
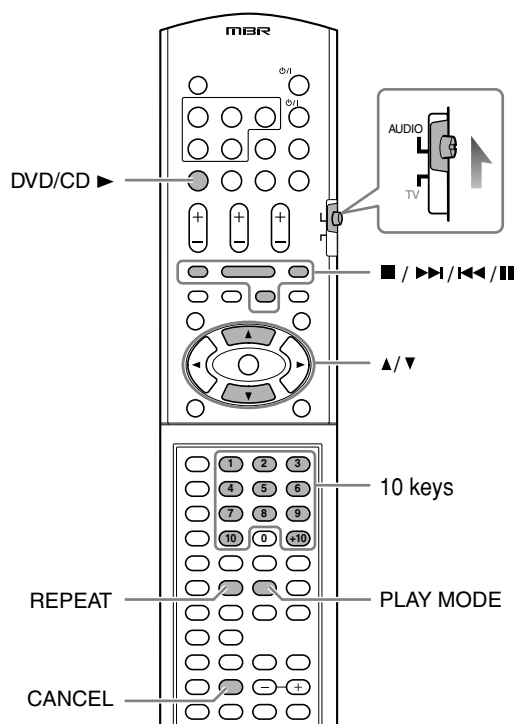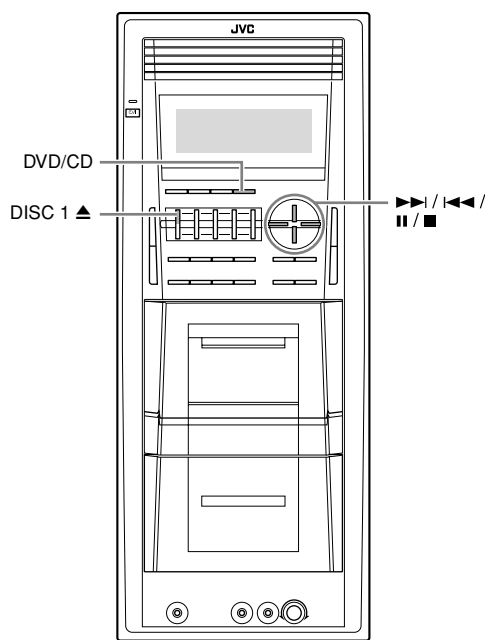
Programming the Playing Order *Remote ONLY* »»
—Program Play ● ● ● ● ● ● ● INFO

You can arrange the playing order of the tracks (up to 99) before you start playback.

1 Before starting playback, activate Program Play.

PLAY MODE → PROGRAM → RANDOM
Canceled ←

PROGRAM PROGRAM

On the display

PROGRAM
No	Disc	Group/Title	Track/Chapter
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			

USE NUMERIC KEYS TO PROGRAM TRACKS.
USE CANCEL TO DELETE THE PROGRAM.
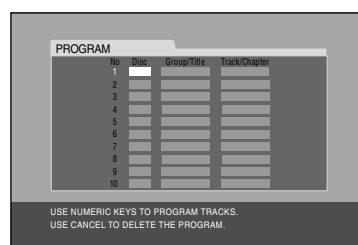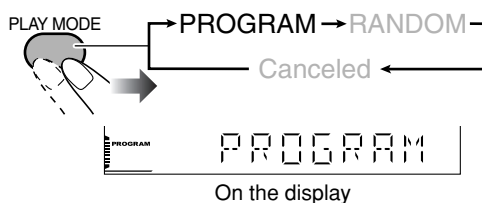
On the TV screen

2 Select chapters or tracks you want for Program Play.
① Select a disc number.
② Select a title or group number.
③ Select a chapter or track number.

To enter the numbers:	
① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩ ⓪ +10	**Examples:** To enter number 5, press 5. To enter number 15, press +10, then 5. To enter number 30, press +10, +10, then 10.
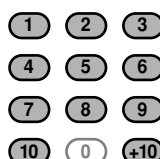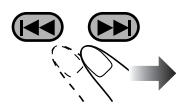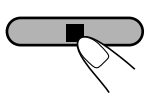
3 Repeat the above step *2* until you finish what you want to program.

4 Start playback.

DVD/CD
▶

Playback starts in the order you have programmed.

19

Playing Repeatedly—Repeat Play *Remote ONLY* »

You can repeat playback.
• You can also select the repeat mode using the on-screen bar (see page 23).
• The indicator(s) lights on the display as follows to indicate the current repeat mode.

• **For DVD Video:**
While playing...

REPEAT → REPEAT 1 → REPEAT
Canceled ← REPEAT ALL DISC ←

• **For DVD Audio:**
While playing or before playback...

REPEAT → REPEAT 1 → REPEAT
Canceled ← REPEAT ALL DISC ←
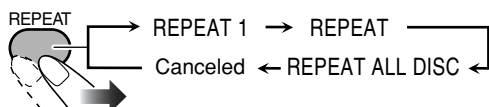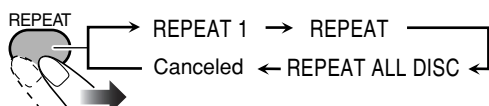
• **For MP3/WMA:**
While playing or before playback...

REPEAT → REPEAT 1 → REPEAT → REPEAT 1 DISC
Canceled ← REPEAT ALL DISC ←
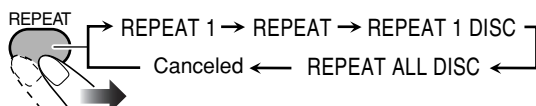
• **For CD/SVCD/VCD:**
While playing or before playback (without PBC for SVCD/VCD)...

REPEAT → REPEAT 1 → REPEAT 1 DISC
Canceled ← REPEAT ALL DISC ←
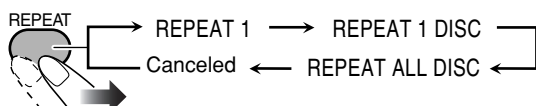
• **For Random Play:**
While playing or before playback...

REPEAT → REPEAT 1 → REPEAT 1 DISC
Canceled ← REPEAT ALL DISC ←
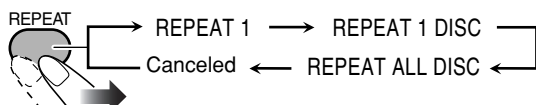
• **For Program Play:**
While playing or before playback...

REPEAT → REPEAT 1 → REPEAT ALL
Canceled ←
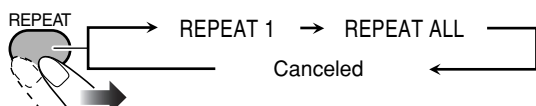
REPEAT 1	Repeats the current chapter/track.
REPEAT	Repeats the current title/group.
REPEAT 1 DISC*	Repeats the current disc.
REPEAT ALL DISC*	Repeats all discs.
REPEAT ALL	Repeats all programmed tracks.

* These modes may not work correctly for DVD Video.

Prohibiting Disc Ejection *Main Unit ONLY* —Child Lock

You can lock the disc trays so that no one can eject the loaded discs.
• This operation is possible only when the source is the disc player.

While in standby mode...

DISC 1

(holding then...)
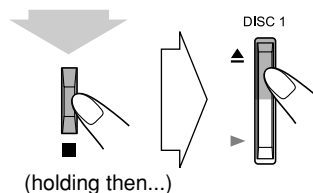
To cancel the prohibition, repeat the same procedure. "UNLOCKED" appears on the display.

On-Screen Disc Operations

Remote control

DVD/CD ►

PG
PL

◄/►/▲/▼/
ENTER

ON SCREEN

10 keys

ZOOM

REPEAT

AUDIO

TV
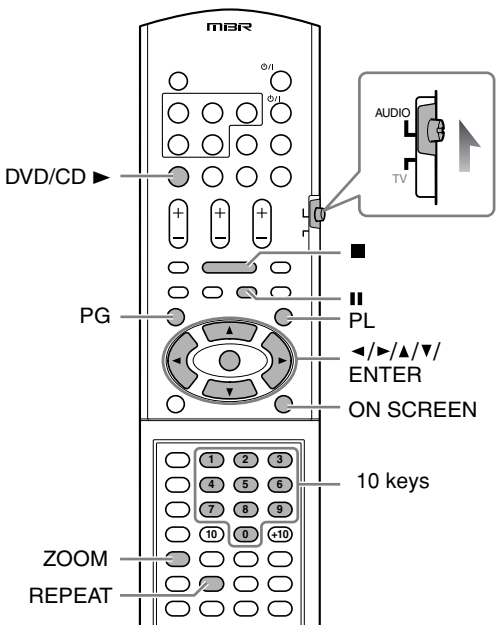
On-screen Bar Information ●●●●●

You can check the information on disc (except for MP3/WMA/JPEG disc) and use some functions through the on-screen bar.

On-screen bars

DVD Video

1	2	3

DVD-VIDEO | Dolby D 3/2.1ch | DISC 1 | TITLE 2 | CHAP. 3 | TOTAL 1:01:58 | ►
TIME | ↻ OFF | ⏱ ➜ | CHAP. ➜ | ⏵⏵ 1/3 | ⌷⌷ 1/3 | 🎥 1/1

4

DVD Audio

1	2	3

DVD-AUDIO | PPCM 3/2.1ch | DISC 2 | GROUP 14 | TRACK 23 | TIME 0:15:58 | ►
TIME | ↻ OFF | ⏱ ➜ | TRACK ➜ | ⏵⏵ 1/3 | PAGE 1/3

4

DVD-VR

1	2	3

DVD-VR | Dolby D 2/0.0ch | DISC 1 | PG 2 | CHAP. 3 | TOTAL 0:01:58 | ►
TIME | ↻ OFF | ⏱ ➜ | CHAP. ➜ | ⏵⏵ ST | ⌷⌷ ON

4

SVCD

1	2	3

SVCD | | DISC 3 | TRACK 3 | TIME 0:04:58 | ►
TIME | ↻ OFF | ⏱ ➜ | ⏵⏵ ST1 | ⌷⌷ -/ 4

4

VCD

1	2	3

VCD | | DISC 4 | TRACK 3 | TIME 0:04:58 | ►
TIME | ↻ OFF | ⏱ ➜ | ⏵⏵ ST

4

CD

1	2	3

CD | | DISC 5 | TRACK 3 | TIME 0:04:58 | ►
TIME | ↻ OFF | ⏱ ➜

4
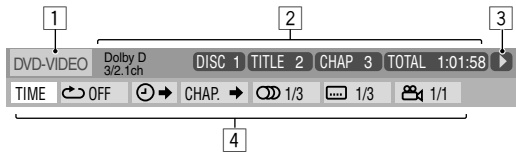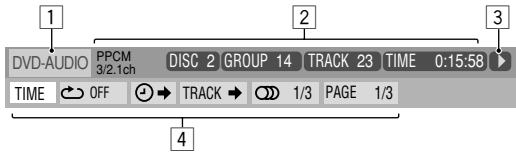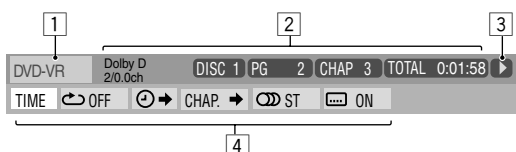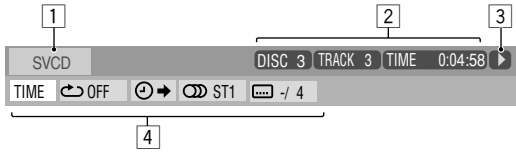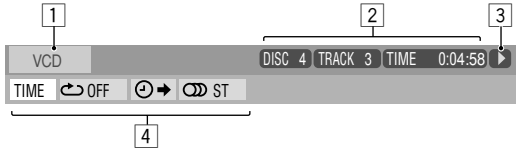
1 **Disc type**

2 **Playback information**

Indication	Meanings
Dolby D/ PPCM	Audio format
3/2.1 ch/ 2.0/0 ch	Channel number
DISC 1	Current disc
TITLE 2	Current title
CHAP 3	Current chapter
GROUP 1	Current group
TRACK 14	Current track
PG 2	Current title
PL 2	Current play list
TOTAL 1:25:58	Time indications

3 **Playback conditions**

Indication	Meanings
▶	Playback
▶▶/◀◀	Forward/Reverse search
▶/◀	Forward/Reverse slow-motion
❚❚	Pause
■	Stop

4 **Operation icons (on the pull-down menu)**

Indication	Meanings
TIME	Select to change the time indication (see also page 24).
⟲	Select to repeat playback (see also pages 21, 24 and 25).
⊙➔	Select for time search (see also page 25).
CHAP.➔	Select for chapter search (see also page 26).
TRACK➔	Select for track search (see also page 26).
⟳ 1/3	Select to change the audio language or channel (see also page 16).
▭ 1/3	Select to change subtitle language (see also page 17).
🎥 1/3	Select to change view angle (see also page 17).
PAGE 1/15	Select to change the page (see also page 17).

Operations Using the On-screen Bar

Basic operation procedure through the on-screen bar is as follows:
Ex.: Selecting a subtitle (French) for DVD Video:
While a disc is selected as the source...

1 Display the on-screen bar with the pull-down menu.

ON SCREEN

DVD-VIDEO Dolby D 3/2.1ch DISC 1 TITLE 2 CHAP 3 TOTAL 1:01:58 ▶

DVD-VIDEO Dolby D 3/2.1ch DISC 1 TITLE 2 CHAP 3 TOTAL 1:01:58 ▶
TIME ⟲ OFF ⊙➔ CHAP. ➔ ⟳ 1/3 ▭ 1/3 🎥 1/1
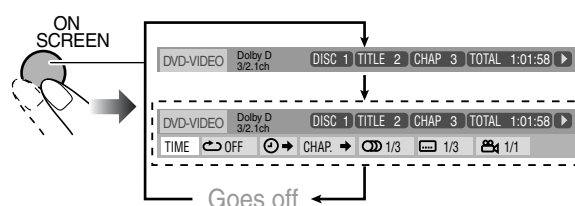
Goes off

2 Select (highlight) the item you want.

DVD-VIDEO Dolby D 3/2.1ch DISC 1 TITLE 2 CHAP 3 TOTAL 1:01:58 ▶
TIME ⟲ OFF ⊙➔ CHAP. ➔ ⟳ 1/3 ▭ 1/3 🎥 1/1

3 Display the pop-up window.

ENTER

1 TITLE 2 CHAP 3 TOTAL 1:01:58 ▶
➔ ⟳ 1/3 ▭ 1/3 🎥 1/1
ENGLISH
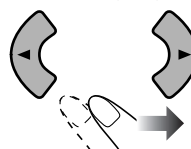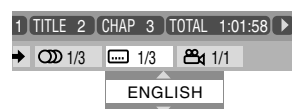
4 Select the desired option in the pop-up window.

1 TITLE 2 CHAP 3 TOTAL 1:01:58 ▶
➔ ⟳ 1/3 ▭ 2/3 🎥 1/1
FRENCH

5 Finish the setting.

ENTER

Pop-up window goes off.

To erase the on-screen bar
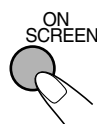
ON SCREEN

To change the time information

You can change the time information in the on-screen bar and the display window on the main unit.

1 Display the on-screen bar with the pull-down menu.

| DVD-VIDEO | Dolby D 3/2.1ch | DISC 1 | TITLE 2 | CHAP 3 | TOTAL 1:01:58 | ▶ |
| TIME | ⏏ OFF | 🕐 ➡ | CHAP. ➡ | ⏏ 1/3 | ⏏ 1/ 3 | 🎥 1/1 |

2 Make sure TIME **is selected (highlighted).**

3 Change the time indication.

ENTER → TOTAL 1:01:58 → T.REM 0:35:24 → REM 0:11:23 ← TIME 0:25:31

TOTAL	Elapsed disc time.
T.REM	Remaining disc time.
TIME*	Elapsed playing time of the current chapter/track.
REM*	Remaining time of the current chapter/track.

* Not available for DVD-VR.

To erase the on-screen bar

ON SCREEN

Repeat Play

• See also page 21.

1 While playing a disc (without PBC for SVCD/VCD), display the on-screen bar with the pull-down menu.
• Except for DVD Video: Repeat Play can be selected before starting playback.

2 Select ⏏ **.**

3 Display the pop-up window.

DVD-VIDEO	Dolby D 3/2.1ch	DISC 1	TITLE 2	CHAP 3	TOTAL 1:01:58	▶
TIME	⏏ OFF	🕐 ➡	CHAP. ➡	⏏ 1/3	⏏ 1/ 3	🎥 1/1
	▲ OFF ▼					

4 Select the repeat mode you want.

ALL	Repeats all discs or all programmed tracks.
A-B	Repeats a desired portion (see the next page).
TITLE	Repeats the current title.
GROUP	Repeats the current group.
DISC	Repeats the disc (except for DVD).
CHAPTER	Repeats the current chapter.
TRACK*	Repeats the current track.
PG	Repeats the current title (for DVD-VR only). See also page 28.
PL	Repeats the current play list (for DVD-VR only). See also page 28.
OFF	Cancels Repeat Play.

* During Program Play or Random Play, "STEP" appears.

5 Finish the setting.

Pop-up window goes off.

ENTER

24

A-B Repeat

1 **While playing, display the on-screen bar with the pull-down menu.**

2 **Select** `⟲` **.**

3 **Display the pop-up window.**

| DVD-VIDEO | Dolby D 3/2.1ch | DISC 1 | TITLE 2 | CHAP 3 | TOTAL 1:01:58 ▶ |
| TIME | ⟲ OFF | ⏱→ | CHAP. → | ⟭ 1/3 | ⊡ 1/ 3 | 🎦 1/1 |

OFF

4 **Select "A-B".**

| DVD-VIDEO | Dolby D 3/2.1ch | DISC 1 | TITLE 2 | CHAP 3 | TOTAL 1:01:58 ▶ |
| TIME | ⟲ OFF | ⏱→ | CHAP. → | ⟭ 1/3 | ⊡ 1/ 3 | 🎦 1/1 |

A–B

5 **Select the start point (A).**

ENTER

| DVD-VIDEO | Dolby D 3/2.1ch | DISC 1 | TITLE 2 | |
| TIME | ⟲ A- | ⏱→ | CHAP. → | ⟭ 1/3 |

• After selecting the starting point (A), you can search for the end point using ▶▶.

6 **Select the end point (B).**

ENTER

A-B Repeat starts. The selected portion plays repeatedly.

To cancel A-B Repeat, repeat steps **1** to **3**, and select "OFF" in step **4**.

To erase the on-screen bar

ON
SCREEN

Time Search

You can move to a particular point by specifying the elapsed playing time from the beginning.

1 **While playing (without PBC for SVCD/VCD), display the on-screen bar with the pull-down menu.**
   • Except for DVD: Time Search can be used before starting playback.

2 **Select** `⏱→` **.**

3 **Display the pop-up window.**

| DVD-VIDEO | Dolby D 3/2.1ch | DISC 1 | TITLE 2 | CHAP 3 | TOTAL 1:01:58 ▶ |
| TIME | ⟲ OFF | ⏱→ | CHAP. → | ⟭ 1/3 | ⊡ 1/ 3 | 🎦 1/1 |
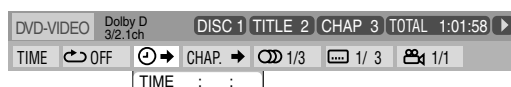
TIME _ : _ _ : _ _

4 **Enter the time.**
   You can specify the time in hours/minutes/seconds.

(1) (2) (3)
(4) (5) (6)
(7) (8) (9)
(10) (0) (+10)
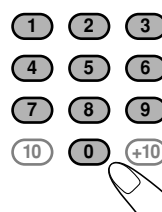
Examples:
To move to a point of 1 (hours): 02 (minutes): 00 (seconds), press 1, 0, 2, 0, then 0.

To move to a point of 54 (minutes): 00 (seconds), press 0, 5, 4, 0, then 0.

• It is always required to enter the hour digit (even "0" hour), but it is not required to enter trailing zeros (the last two digits in the examples above).
• **To correct a misentry,** press cursor ◀ to erase the last entry.

5 **Finish the setting.**

ENTER

The System starts playing from the specified time.

To erase the on-screen bar

ON
SCREEN

25

Chapter/Track Search

You can search for the number of the item to play.
For DVD Video/DVD-VR: Chapter
For DVD Audio: Track

1 While playing, display the on-screen bar with the pull-down menu.

2 Select CHAP. → **or** TRACK → **.**

3 Display the pop-up window.

DVD-VIDEO	Dolby D 3/2.1ch	DISC 1	TITLE 2	CHAP 3	TOTAL 1:01:58 ▶

TIME | ⟳ OFF | ⊙ → | CHAP. → | ◯◯ 1/3 | ⬚ 1/ 3 | 🎥 1/1

CHAPTER _

4 Enter the desired chapter/track number.

```
①  ②  ③
④  ⑤  ⑥
⑦  ⑧  ⑨
⑩  ⓪  +10
```
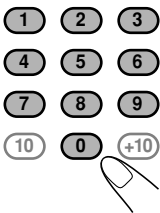
Examples:
To select chapter/track 5, press 5.
To select chapter/track 15, press 1, then 5.
To select chapter/track 30, press 3, then 0.

• **To correct a misentry,** press the 10 keys until the desired number is shown in the pop-up window.

5 Finish the setting.

ENTER

The System starts playing the searched chapter or track.

To erase the on-screen bar

ON SCREEN

Operations on the Control Screen

Remote ONLY »» ● ● ● ● INFO

For DVD-VR/MP3/WMA/JPEG: You can search for and play the desired items through the control screen.

Control screen for DVD-RW/RAM in DVD-VR format

The control screen is superimposed on the TV screen when you call up Original Program (PG) or Play List (PL).
To select playback type

To select the Original Program:	To select the Play List:
TOP MENU/PG	MENU/PL
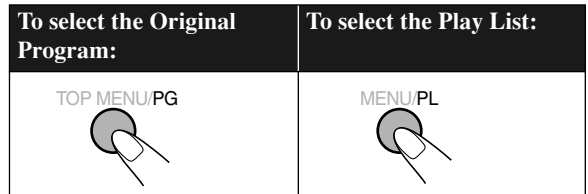
When Original Program is selected.

```
ORIGINAL PROGRAM

No  Date      Ch    Time   Title
 1  25/04/04  4ch   19:00  JVC DVD World 2004
 2  17/05/04  8ch   10:30
 3  22/05/04  8ch   17:00  Music Festival
 4  26/05/04  L-1   13:19  children 001
 5  20/06/04  4ch   22:00
 6  25/06/04  L-1   8:23   children 002
▼
```
① ② ③ ④ ⑤ ⑥

When Play List is selected.

```
PLAY LIST

No  Date      Chap  Length   Title
 1  25/05/04  001   1:03:16  My JVC World
 2  17/06/04  005   1:35:25
 3  20/06/04  003   0:10:23  Favorite music
 4  25/06/04  001   0:07:19  children001-002
▼
```
① ⑦ ⑧ ⑨ ⑤ ⑥

① Title/Play list number
② Recording date
③ Recording source (TV station, the input terminal of the recording equipment, etc.)
④ Start time of recording
⑤ Title of the program/play list*
⑥ Highlight bar (current selection)
⑦ Creating date of play lists
⑧ Number of chapters
⑨ Playback time

* The title of the original program or play list may not be displayed depending on the recording equipment.

To erase the control screen for DVD-VR, press ENTER.

Control screen for MP3/WMA/JPEG disc

The control screen automatically appears on the TV screen when you load an MP3, WMA, or JPEG disc.

Ex.: When the MP3 disc is loaded.

```
                                        ⑥
                                    ⑦
  FILE        [REPEAT TRACK] [Time : 00:00:14] ▶▶  ⑧
① Group : (2 / 3)      Track : (5 / 14 (Total 41))  ⑨
   Blue              Cloudy.mp3
② Red               Fair.mp3
   Green             Fog.mp3
③                   Hail.mp3
                    Indian summer.mp3
④  Track Information  Rain.mp3            ⑩
   Title             Shower.mp3          ⑪
   Rain              Snow.mp3
⑤  Artist            Thunder.mp3
                    Typhoon.mp3
   Album             Wind.mp3
                    Winter sky.mp3
```
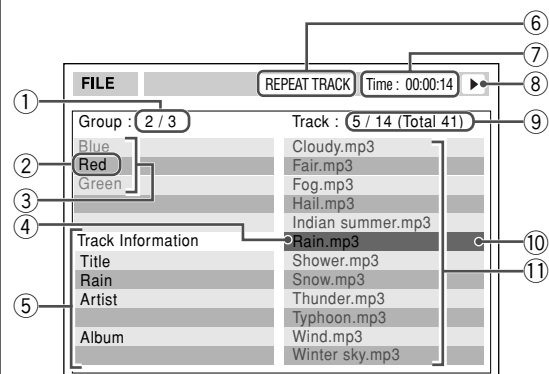
① Current group number/total group number
② Current group
③ Group list
④ Current track
⑤ Track information (ID3 Tag Version 1.0: only for MP3/WMA)
⑥ Repeat Play setting
⑦ Elapsed playing time of the current track (only for MP3/WMA)
⑧ Operation mode icon
⑨ Current track number/total number of tracks in the current group (total number of tracks on the loaded disc)
⑩ Highlight bar
⑪ Track list
• If both types of files (MP3/WMA files and JPEG files) are recorded on a disc, select the file type to play (see page 36).

To move the highlight (green) bar between group list and track list (for MP3/WMA/JPEG):

Moves the bar to the track list.

Moves the bar to the group list.
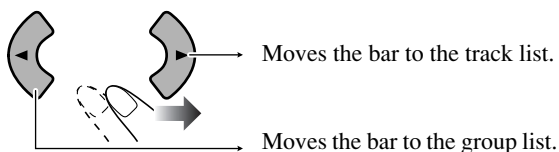
To select an item in the list:

Move the highlight bar to a desired item.
• If you move the highlight bar while playing back DVD-VR/MP3/WMA, the selected item starts playback automatically.
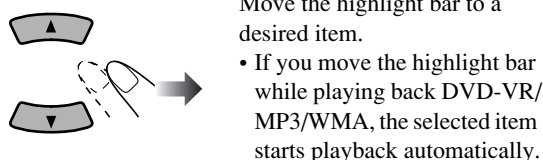
To start playback

For DVD-VR/MP3/WMA:	
ENTER	Playback starts with the selected chapter/track. • Pressing DVD/CD ▶ also starts playback.

For JPEG:	
ENTER	The selected track (still picture) is displayed until you change it.
DVD/CD ▶	Slide-show playback starts. Each track (still picture) is shown on the screen for a few seconds, then changes one after another.

• Once you start playing back a JPEG track, the control screen goes off.
• To cancel slide-show, and display the current still picture, press Ⅱ.

27

To stop playback
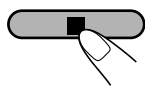
To repeat title/play list for DVD-VR

While playing or before starting playback...

For Original Program

REPEAT

→ REPEAT 1 → REPEAT → REPEAT 1 DISC
(↺ CHAP) (↺ PG) (↺ DISC)

Canceled ← REPEAT ALL DISC ←
(↺ OFF) (↺ ALL)

For Play List

REPEAT

→ REPEAT 1 → REPEAT
(↺ CHAP) (↺ PL)

Canceled ← REPEAT ALL DISC ←
(↺ OFF) (↺ ALL)
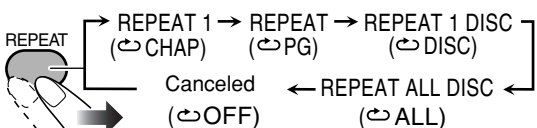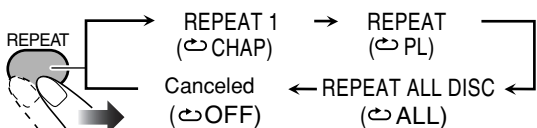
REPEAT 1*	Repeats the current chapter.
REPEAT*	Repeats the current title/play list.
REPEAT 1 DISC*	Repeats all titles on the current disc.
REPEAT ALL DISC	Repeats all loaded discs.

* Not available before starting playback.

To repeat slide-show for JPEG

While playing or before starting playback...

REPEAT

→ REPEAT → REPEAT 1 DISC
(↺ GROUP) (↺ DISC)

Canceled ← REPEAT ALL DISC ←
(↺ OFF) (↺ ALL)
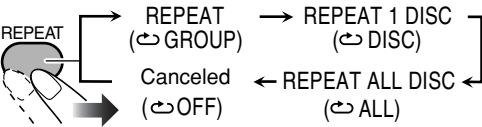
REPEAT	Repeats the current group.
REPEAT 1 DISC	Repeats all files on the current disc.
REPEAT ALL DISC	Repeats all loaded discs.

• For Repeat Play of MP3/WMA, see pages 21 and 24.

To zoom in the still picture (for JPEG)

1 During being paused...

ZOOM

→ ZOOM 1 → ZOOM 2
ZOOM OFF ←
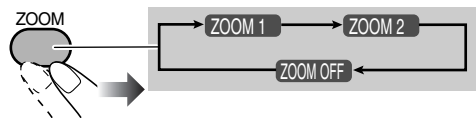
As the number increases, magnification also increases.

2 Move the zoomed-in position.
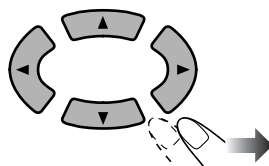
To cancel Zoom, press ZOOM repeatedly until "ZOOM OFF" appears on the TV screen.

Recording Operations

English

Main unit

FM/AM
DVD/CD
TAPE-A /
TAPE-B
◄◄
II
DISC 1–5 ►
DISC REC
START
REVERSE
MODE
REC
START/STOP
DUBBING
Deck A
Deck B
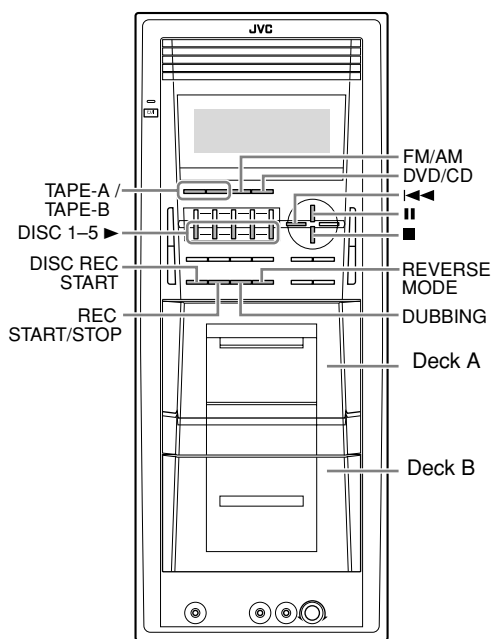
IMPORTANT
It may be unlawful to record or play back copyrighted material without the consent of the copyright owner.

Recording on a Tape Main Unit ONLY ● ● ● INFO

You can use type I tapes for recording.
• To play a tape, see page 11.

1 Insert a recordable cassette in deck B.

Push   Insert   Close
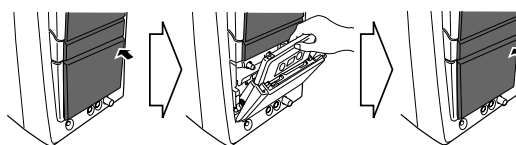
2 Check the tape running direction and Reverse Mode settings on the display.

Reverse Mode indicator

TAPE (⇄)

Tape direction indicator

B ►

ᘉᘉᘉᘉᘉ

TAPE - B

Current source
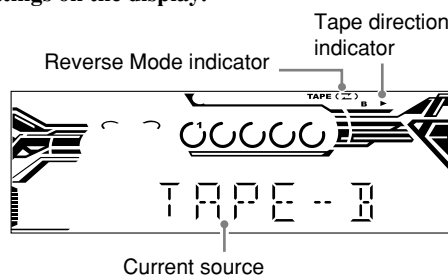
To change the direction

TAPE-B

┌─ ► (forward) ─┐
└─ ◄ (reverse) ◄┘

■
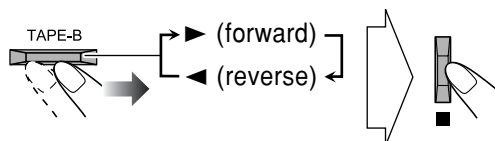
Change the Reverse Mode if necessary

REVERSE
MODE

┌→ (⇄)
⇄) ← ⇄ ┘
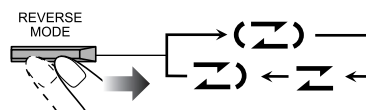
⇄)	To record on both sides.
((⇄))	• When using Reverse Mode, start recording in the forward (►) direction.
⇄	To record on only one side.

29

3 **Start playing the source—"FM," "AM," "DVD/CD," "TAPE-A" or "AUX."**
   • When recording a disc, you can also use "Synchronized Disc Recording" (see the right column).
   • When recording from deck A, you can also use "Dubbing" (see below).

4 **Start recording.**

REC
START/STOP

To stop recording

REC
START/STOP   or

Dubbing Tapes

Main Unit
ONLY
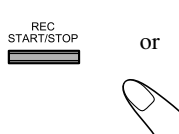
1 **Change the source to TAPE.**

TAPE-A   TAPE-B
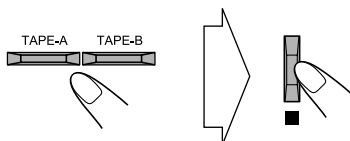
2 **Insert the source cassette in deck A, and a recordable cassette in deck B.**

3 **Check the tape running direction and Reverse Mode settings on the display.**
   See step **2** of "Recording on a Tape" on page 29.

4 **Start dubbing.**

DUBBING

• When either tape playback or recording ends, both cassette deck stop at the same time.

To stop dubbing

Synchronized Disc Recording

Main Unit
ONLY   INFO

You can start and stop both disc play and tape recording at the same time.

1 **Load a disc and insert a recordable cassette.**

2 **Check the tape running direction and Reverse Mode settings on the display.**
   • See step **2** of "Recording on a Tape" on page 29.

3 **Select the disc number you want to start recording from.**

DISC 1   DISC 2   DISC 3   DISC 4   DISC 5
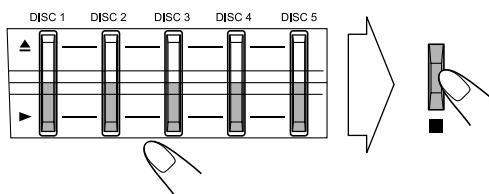
For recording desired tracks on discs:
You can program tracks to record in your preferred order.
   • Select Program Play (and make a program; see page 19) without starting playback.

4 **Start recording.**

DISC REC
START

The disc playback and recording start from the first track.
   • The System automatically creates 4-second blanks between the tunes recorded on the tapes.

• When either disc play or recording ends, both disc player and the cassette deck stop at the same time.

To record only your favorite track—One Track Recording

You can specify tracks to be recorded on the tape while listening to a disc (except for DVD Video).
While the track you want to record on the tape is playing...

DISC REC
START

The disc player returns to the beginning of that track and the track is recorded on the tape. After recording, the disc player and cassette deck automatically stop.

To cancel while recording

REC
START/STOP   or

30
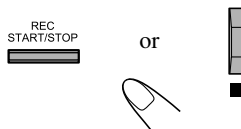
Enjoying Karaoke

Remote control

KARAOKE
SCORING

Source
buttons

AUDIO

TV

AUDIO VOL +/−

■

▲ / ▼

10 keys

V.MASKING

ECHO

MIC MIX

SET

CANCEL

KEY #/♭

RESERVE

+ / −

SETTING

Main unit

JVC

Source
buttons

VOLUME +/−

KARAOKE
SCORING

MIC 1

MIC 2
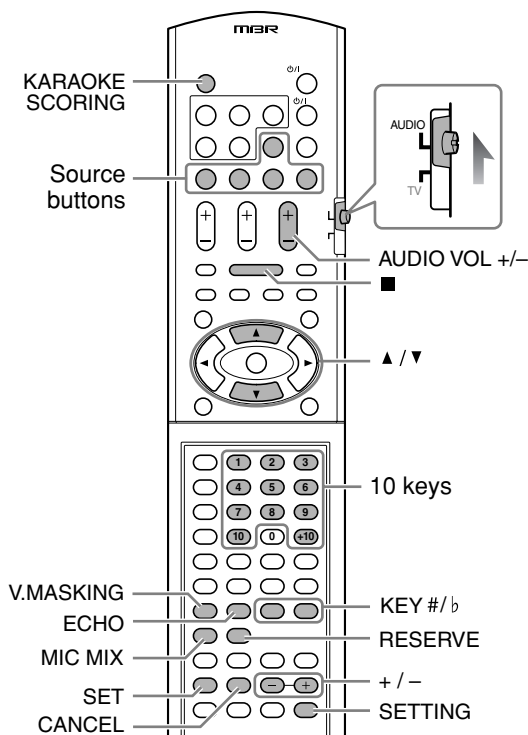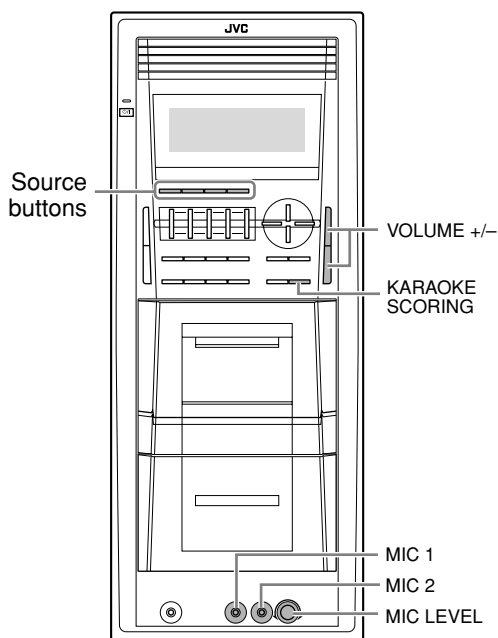
MIC LEVEL

The functions described in this section are not available for
DVD Audio/DVD-VR.

IMPORTANT
• Always set MIC LEVEL to MIN when connecting or
  disconnecting the microphone.
• MIC LEVEL adjustment is valid for both microphones
  connected to the MIC 1 and MIC 2 jacks.

STOP! DO NOT keep the microphones connected
while they are not in use.

Singing Along (Karaoke)

You can enjoy singing along (Karaoke) by using two
microphones.
• By pressing REC START/STOP, you can record your
  singing-along.

1 **Turn MIC LEVEL to MIN.**

MIC LEVEL

MIN   MAX
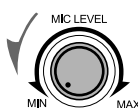
2 **Connect the microphone(s) (not supplied) to the
MIC 1 and/or MIC 2 jack.**

3 **Activate the Mic Mixing Mode.**

MIC MIX
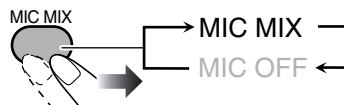
→ MIC MIX ─┐
  MIC OFF ←┘

4 **Start playing the source—"FM," "AM," "DVD/CD,"
"TAPE," or "AUX."**
   • **For Karaoke SVCD/VCD:** Select a desired audio
     channel. See "Selecting the Sound Track" on page 16.

5 **Sing into the microphone.**

6 **Adjust the MIC LEVEL and VOLUME.**

MIC LEVEL

MIN   MAX

+

−

VOLUME
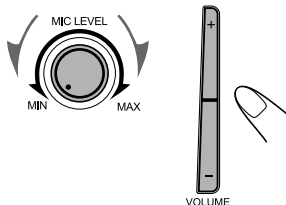
To cancel from the Mic Mixing Mode, select "MIC OFF"
in step **3**.

To use only microphones, select "DVD/CD" in step **4**, but
do not start playback.

31

To apply an echo to your voice `Remote ONLY` »

While the Mic Mixing Mode is activated...

ECHO
→ ECHO 1 → ECHO 2 → ECHO 3 ─┐
└─ ECHO 0 ← ECHO 4 ←─┘
(Canceled)
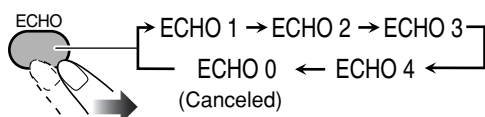
• As the number increases, echo level also increases.

To adjust the Key (disc playback only) `Remote ONLY` »

While playing back...

KEY ♭   KEY #

→ To raise the key (up to +6).

→ To lower the key (up to –6).
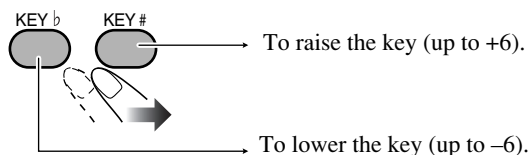
To cancel the Key Control

KEY ♭   KEY #

–6 ←···→ 0 ←···→ +6

K E Y C O N   0

KEYCON
0

On the display   On the TV screen
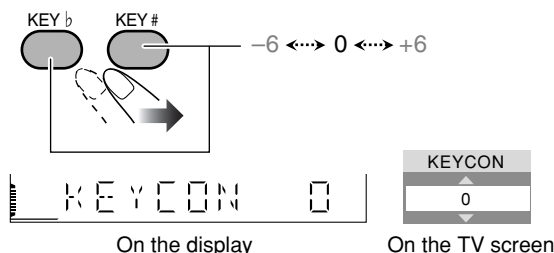
• Key Control is also canceled when you deactivate the Mic Mixing Mode, or select another track or disc.

Reducing the Lead Vocal `Remote ONLY` » INFO
—Vocal Masking

If you want to reduce the lead vocal (of any source except DVD Audio/DVD-VR), you can use the Vocal Masking Mode.

V. MASKING
→ V.MASK1 → V.MASK2 ─┐
└─── OFF ←───┘
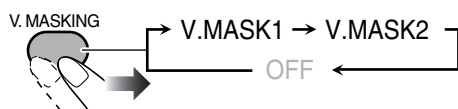
V.MASK1	Cancels vocal on stereo sources.
V.MASK2	Cancels the right audio channel.

To sing into microphone(s), activate the Mic Mixing Mode (follow steps **1** to **3** and **6** on page 31).

To cancel from the Vocal Masking Mode, select "OFF."

Scoring Your Karaoke Skill ● ● ● ● INFO

This System can score your Karaoke skill by comparing your singing along with the vocal on the playback disc.
• This function is for disc playback only.
• It is recommended to select the sound track as follows (see page 16):
  For DVD Video: Select the sound track with vocal.
  For SVCD/VCD: Select "ST," "ST1," or "ST2."
• It is recommended to sing for more than **one and a half minutes** to make the scoring function work properly.

1 **Select "DVD/CD" as the source.**

DVD/CD

2 **Activate the scoring function.**

KARAOKE
SCORING

KARAOKE SCORE BOARD
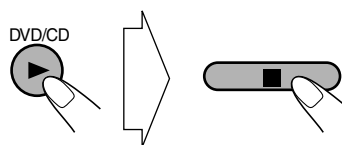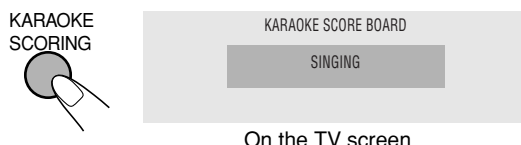
SINGING

On the TV screen

Playback of the first track starts and the Mic Mixing Mode is automatically activated (with the last adjustment for echo).

3 **Sing into the microphone.**
  See steps **1**, **2**, and **6** on page 31.
  • Adjust echo level and key if you want (see the left column).

After the song ends, playback stops and the score board appears on the TV screen with fanfare.

Ex.:   Your score

KARAOKE SCORE BOARD

85 POINTS

Very good!!

1 ST	93 POINTS
2 ND	85 POINTS
3 RD	73 POINTS

The latest top 3

To stop the playback in the middle of the song, press ■. The scoring function is not canceled and your singing along is scored if the playback time is more than one minute.

To cancel the scoring function, press KARAOKE SCORING. The screen on the TV disappears. (The Mic Mixing Mode remains activated.)

32

To turn on/off the fanfare 🎛️*Remote ONLY* »)

1 Enter the fanfare setting mode.

SETTING → LR BALANCE / FANFARE ← SET
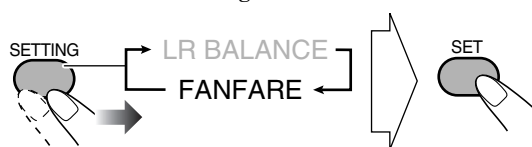
2 Select the fanfare setting.

L – BALANCE – R (–) (+) → ON / OFF ←
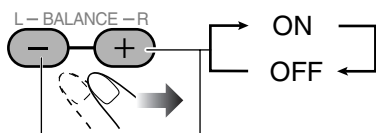
Reserving Karaoke Songs 🎛️*Remote ONLY* ») INFO
—Karaoke Program Play ● ● ● ● ● ●

You can determine the playback order of the titles or tracks on the disc player. You can program up to 12 steps.

1 Change the source to "DVD/CD."

DVD/CD ▶ ⟹ ■
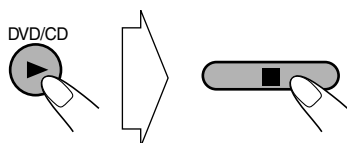
2 Activate Karaoke Program Play.

RESERVE

No	Disc	Gr/Tt	Tr/Chap
1			
2			
3			
4			
5			
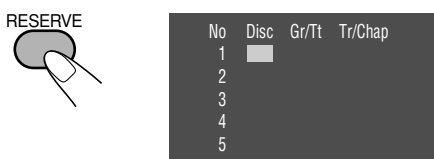
On the TV screen

• PROGRAM indicator flashes during this mode.

3 Select songs you want for Karaoke Program Play.
Press the number buttons to select a song in the following order.

① Select a disc.
② Select a title/group.
③ Select a chapter/track.
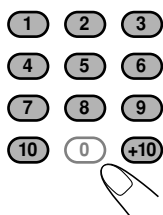
(1) (2) (3)
(4) (5) (6)
(7) (8) (9)
(10) (0) (+10)

Examples:
To select number 5, press 5.
To select number 15, press +10, then 5.
To select number 30, press +10, +10, then 10.

4 Activate the Mic Mixing Mode.

MIC MIX → MIC MIX / MIC OFF ←
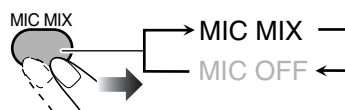
5 Start playback.

To start Karaoke Program Play:	To start Karaoke Program Play with the scoring function:
DVD/CD ▶	KARAOKE SCORING

Playback starts in the order you have programmed.
• **For the Karaoke Program Play with the scoring function:** Each time the song ends, playback stops and the score board appears. Press KARAOKE SCORING twice to start playback of the next track.

To check the programmed contents

RESERVE

The Karaoke reserve screen appears.
• You cannot display the Karaoke reserve screen while the scoring function is in use.

To modify the program
While the Karaoke reserve screen is shown on the TV...

To erase the unwanted step:
▲ ▼ ⟹ CANCEL
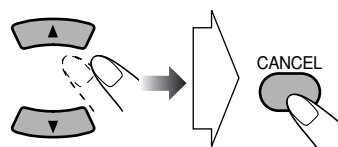
To erase the entire program, repeat the procedure.

To add steps in the program:
Repeat step **3**.

Timer Operations

Remote control

☺/I AUDIO

CANCEL
SET
CLOCK/
TIMER

+ / –
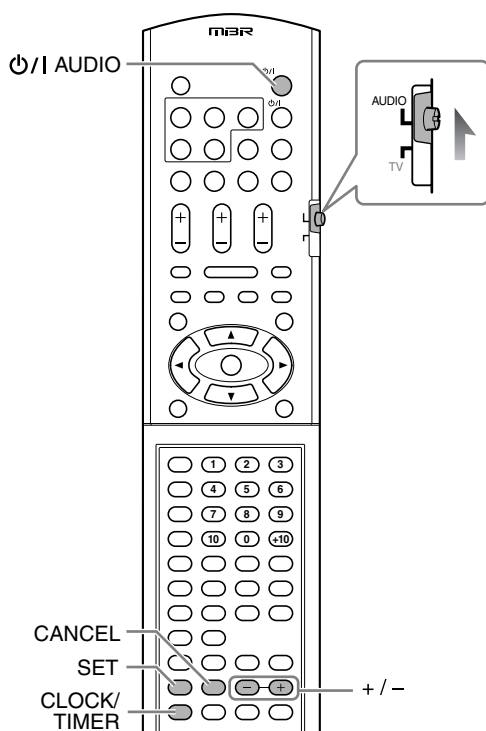
Setting the Timer ⟨Remote ONLY⟩ ⟩⟩) ● ● ● ● INFO

Using Daily Timer, you can wake up with your favorite song. On the other hand, with Recording Timer, you can make a tape of a radio broadcast automatically.
• You cannot activate Daily Timer and Recording Timer at a time. (Activating either timer deactivates the other timer.)
• To correct a misentry during the process, press CANCEL. You can return to the previous step.

1 **Select one of the timer setting modes—ON for Daily Timer or Recording Timer.**

Recording Timer   Daily Timer
CLOCK/   → REC TIMER → ON → DAILYTIMER
TIMER   Canceled ← Clock setting ← ON

ON ☼:☼☼
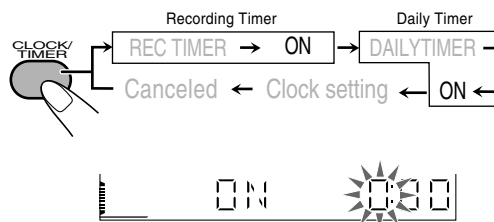
2 **Make the timer setting as you want.**

L — BALANCE — R   SET
(–) (+)
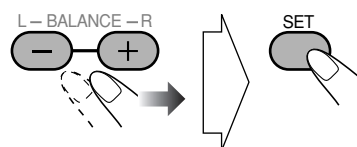
Repeat the procedure until you finish setting in the following order:
① **Set the hour then minute for on-time.**
② **Set the hour then minute for off-time.**
③ **For Recording Timer: Select the playback source—"TUNER-FM" or "TUNER-AM."**
  For Daily Timer: Select the playback source—"TUNER-FM," "TUNER-AM," "DISC," "TAPE-A," "TAPE-B" or "AUX IN."

TUNER--FM

EX.: When "TUNER-FM" is selected.

④ **Select a preset station for "TUNER-FM" and "TUNER-AM," or select a disc, group, and then track number for "DISC."**
⑤ **Select the volume level.**
  • You can select the volume level ("VOLUME 0" – "VOLUME 30" and "VOLUME --"). If you select "VOLUME --," the volume is set to the last level when the System has been turned off.

3 **Turn off the System (on standby) if you have set the timer with the System turned on.**

Φ/| AUDIO

How Daily Timer actually works

Once the Daily Timer has been set, the timer (🌙) indicator and DAILY indicator are lit on the display. Daily Timer is activated at the same time everyday until the timer is turned off manually (see the next column).
• Daily Timer starts working only when the System is turned off (on standby).

When the on-time comes
The System turns on, tunes in to the specified station or starts playing the specified source, and sets the volume level to the preset level.

When the off-time comes
The System stops playback, and turns off (standby).
• The timer setting remains in memory until you change it.

How Recording Timer actually works

When Recording Timer has been set, Timer (🌙) indicator and the REC indicator are lit on the display. Recording Timer works only once.
• Recording Timer starts working only when the System is turned off (on standby).

When the on-time comes
The System turns on, tunes in to the specified station, sets the volume level to the preset level, and starts recording.

When the off-time comes
The System stops recording, and turns off (standby).
• The timer setting remains in memory until you change it.

To turn off the Timer after the setting is done

You can turn off the timer after it has been set.
• Since Daily Timer is activated at the same time everyday, you may need to cancel it on some particular days.

1 **Select the timer you want to cancel (REC TIMER or DAILYTIMER) you want to cancel.**

```
                        Recording Timer        Daily Timer
CLOCK/    ┌→ REC TIMER → ON ──→ DAILYTIMER ┐
TIMER     └─ Canceled ← Clock setting ← ON ←┘
```
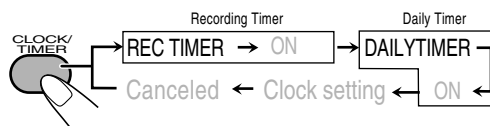
2 **Turn off the selected timer.**

CANCEL
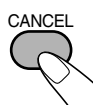
• The timer (🌙) indicator goes off.

To turn on the timer again, repeat the step **1** and press SET in step **2**.

Timer Priority ● ● ● ● ● ● ● ● ● ●

If the settings for Sleep Timer and Recording Timer/Daily Timer overlap, the timers work as described below.
• Sleep Timer (see page 15) has priority over the Recording Timer and Daily Timer.
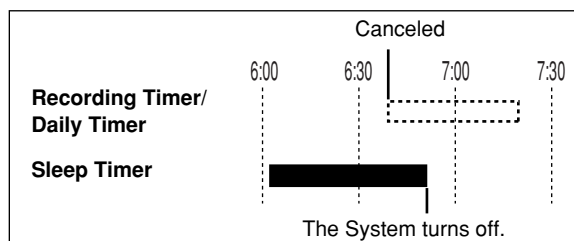
• In this case, Recording Timer/Daily Timer does not work.
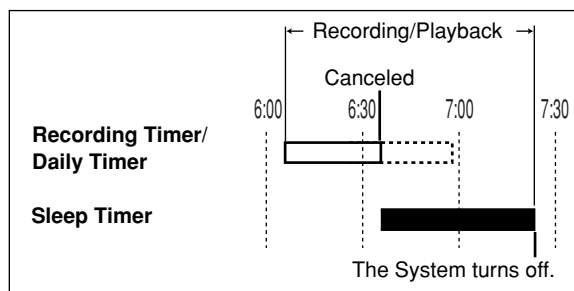
• In this case, Recording Timer/Daily Timer is canceled. (If Sleep Timer shuts off the System earlier than the off time you have set for Recording Timer, recording stops when Sleep Timer shuts off the System.)

35

Setup Menu Operations

Remote Control

◄/►/▲/▼/
ENTER
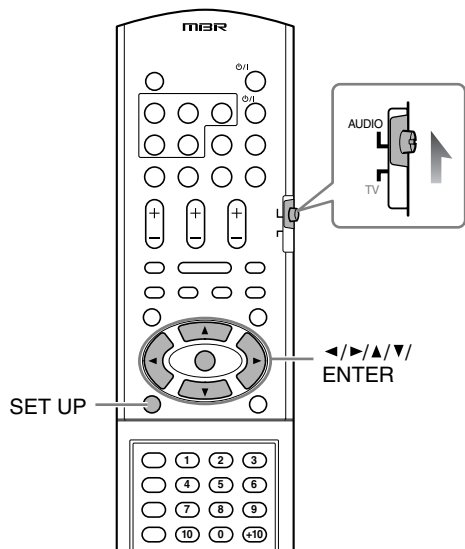
SET UP

Initial settings ●●●●●●●●●● INFO

Some items in the menus cannot be changed during playback.

1 Press SET UP.

LANGUAGE	
MENU LANGUAGE	ENGLISH
AUDIO LANGUAGE	ENGLISH
SUBTITLE	ENGLISH
ON SCREEN LANGUAGE	ENGLISH
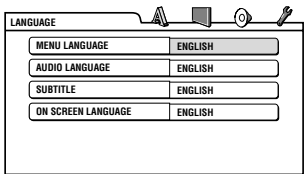
2 Press ◄ (or ►) to select the menu.

3 Press ▲ (or ▼) to move to select the item.

4 Press ENTER.
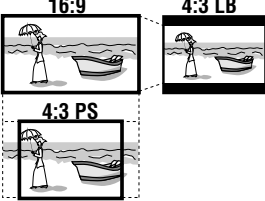
5 Press ▲ (or ▼) to select the options, then press ENTER.

To erase a preference display
Press SET UP.

🅐 LANGUAGE menu

Item	Contents
MENU LANGUAGE	You can select the initial menu language of DVD Video (see page 43).
AUDIO LANGUAGE	You can select the initial audio language of DVD Video (see page 43).
SUBTITLE	You can select the initial subtitle language of DVD Video (see page 43).
ON SCREEN LANGUAGE	You can select "ENGLISH," "CHINESE," or "SPANISH" as the on-screen language.

PICTURE menu

Item	Contents
MONITOR TYPE **16:9** **4:3 LB** **4:3 PS**	You can select the monitor type to match your TV when you play back DVD Video discs recorded for wide-screen televisions. **16:9/16:9 MULTI (Wide television screen):** For a wide-screen (16:9) TV. **4:3 LB/4:3 MULTI LB (Letter box conversion):** For a conventional (4:3) TV. Displays a wide-screen picture to fit the width of the TV screen keeping the aspect ratio. **4:3 PS/4:3 MULTI PS (Pan Scan conversion):** For a conventional (4:3) TV. The picture is zoomed up for filling the screen vertically and the left and right sides of the picture are cut off. • By selecting "MULTI" mode, the color system of the System changes automatically to match the color system of the loaded disc. For the color system setting, see page 14.
PICTURE SOURCE	You can obtain optimal picture quality by selecting the source type of the disc contents. **AUTO:** Normally, select this option. The System recognizes the picture type (film or video source) of the current disc according to the disc information. **FILM:** For a film source disc. **VIDEO:** For a video source disc.
SCREEN SAVER	You can set the screen saver function to **ON** or **OFF.** **ON:** The on-screen display becomes dark when no operation is done for about 5 minutes. **OFF:** To cancel the screen saver.
FILE TYPE	You can select a file type to play. **AUDIO:** To play MP3/WMA files. **STILL PICTURE:** To play JPEG files.

AUDIO menu

Item	Contents
DIGITAL AUDIO OUTPUT	Set this item correctly when using the OPTICAL DIGITAL OUTPUT terminal on the rear. **PCM ONLY:** When connecting to audio equipment which can decode only linear PCM signals. **DOLBY DIGITAL/PCM:** When connecting to a Dolby Digital decoder or an amplifier with a built-in Dolby Digital decoder. **STREAM/PCM:** When connecting to a DTS decoder or an amplifier with a built-in DTS decoder.
DOWN MIX	Set this item properly according to your digital audio connection to play sound of the surround multichannel audio on a DVD Video. • This setting is effective for digital audio output if "DIGITAL AUDIO OUTPUT" is set to "PCM ONLY." **DOLBY SURROUND:** Select this when connecting to a surround decoder. **STEREO:** Select this when connecting to a stereo receiver, MD player, TV, etc.
D.RANGE COMPRESSION	Set this item to listen to DVD Video recorded in Dolby Digital format at low or middle volume. **AUTO:** You can enjoy powerful playback sound. **ON:** Select this if the sound level of DVD Video is lower than the one of TV program to make the sound at a lower volume clear.

OTHERS menu

Item	Contents
RESUME	You can select Resume. **ON:** The System resumes playback from the position where playback has been stopped if the disc is still in the disc tray. **OFF:** Resume is deactivated.
ON SCREEN GUIDE	Activate or deactivate the on-screen guide. **ON:** Activate the on-screen guide. **OFF:** Deactivate the on-screen guide.

37

Operating the TV

Remote control

ப/| TV
TV/VIDEO

TV VOL +/−
CHANNEL +/−

ENTER

10 keys
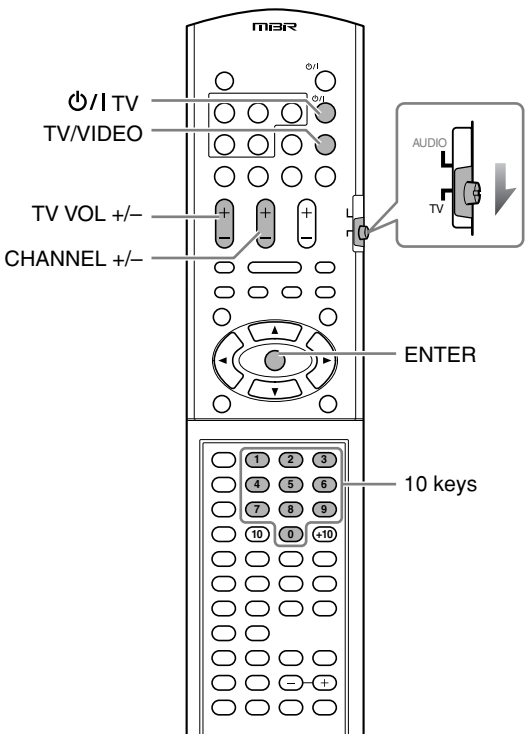
Manufacture's code	
Manufacture	**Code number**
JVC	01
Hitachi	10
Magnavox	02
Mitsubishi	03
Panasonic	04,11
Philips	15
RCA	05
Samsung	12
Sanyo	13, 14
Sharp	06
Sony	07
Toshiba	08
Zenith	09

Operating TV

You can operate the JVC's or other manufacturers' TV using this remote control.

1 **Slide the AUDIO/TV selector to "TV."**

AUDIO

TV
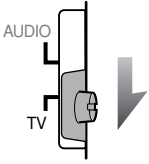
2 **Press and hold until the following steps are complete.**

ப/| TV

3
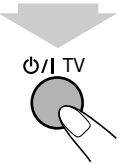
ENTER

4 **Enter the 2-digit manufacture's code number.**

1 2 3
4 5 6
7 8 9
10 0 +10
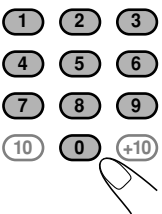
5 **Release ப/| TV.**

To operate the TV

To turn on or off the TV:	To select the input mode (either TV or VIDEO):	To adjust TV volume:
ப/| TV	TV/VIDEO	TV VOL +/−

To select the TV channel:	
1 2 3 / 4 5 6 / 7 8 9 / 10 0 +10	or CHANNEL +/−

Additional Information

Learning More about This System ● ● ●

Introduction (see pages 1 to 2)
Playable Disc Types:
• **About audio format**
 – **Linear PCM:** Uncompressed digital audio, the same format used for CDs and most studio masters.
 – **Dolby Digital:** Compressed digital audio, developed by Dolby Laboratories, which enables multi-channel encode to create the realistic surround sound.
 – **DTS (Digital Theater Systems):** Compressed digital audio, developed by Digital Theater Systems, Inc., which enables multi-channel like Dolby Digital. As the compression ratio is lower than for Dolby Digital, it provides wider dynamic range and better separation.
• If you use a DVD-RAM with a cartridge, take the disc out of the cartridge before inserting.

Daily Operations—Playback (see pages 7 to 11)
Listening to the Radio:
• If you store a new station into an occupied preset number, the previously stored station in that number will be erased.
• When you unplug the AC power cord or if a power failure occurs, the preset stations will be erased in a few days. If this happens, preset the stations again.

Playing Back a Disc:
• On some DVD, SVCD, or VCD discs, the actual operations may be different from what is explained in this manual, due to the programming and disc structure; such differences are not a malfunction of this System.
• Some DVD Audios prohibit downmix. When you play back such a disc, "LR ONLY" appears on the display and the System plays back the left front and right front signals.
• When playing back a DVD Audio disc recorded in MLP (Meridian Lossless Packing; a lossless audio compression system that can completely recreate the PCM signal), the signals are recognized as the linear PCM signals, however, no indicator lights up on the display.
• For MP3/WMA playback...
 – MP3/WMA discs require a longer readout time than regular CDs. (It depends on the complexity of the group/file configuration.)
 – Some MP3/WMA files cannot be played back and will be skipped. This results from their recording processes and conditions.
 – When making MP3/WMA discs, use ISO 9660 Level 1 or Level 2 for the disc format.
 – This System can play back MP3/WMA files with the extension code <.mp3> or <.wma> (regardless of the letter case—upper/lower).
 – It is recommended that you make each MP3/WMA file at a sampling rate of 44.1 kHz and at bit rate of 128 kbps. This System cannot play back files made at bit rate of less than 64 kbps.

Daily Operations—Sound&Other Adjustments (see pages 12 to 15)
Creating Your Own Sound Modes—User Mode:
• When you unplug the AC power cord or if a power failure occurs, the User Mode settings will be erased in a few days. If this happens, set the User Modes again.

Creating 3-dimensional Sound Field—3D Phonic:
• While you use the headphones, 3D Phonic is canceled temporary.
• 3D Phonic is also applied to the optical digital output signals through the OPTICAL DIGITAL OUTPUT terminal.

Changing the Color System and Scanning Mode:
• If you play back an NTSC disc with the color system set to "PAL (PROG)," the disc will be reproduced using "PAL 60" format, however, if the TV does not support this format, the screen may rolls over upward and downward rapidly.
• If you play back a PAL disc with the color system set to "NTSC (PROG)," you can watch the playback pictures, but the following symptoms may occur:
 – The items on the disc menu will be blurred, and be shown slightly shifted when highlighted.
 – The aspect ratio of the picture may differ from the original aspect ratio.
 – The picture movement is not smooth.
• You cannot change the scanning mode to progressive in the following cases:
 – When your TV does not support the progressive video input.
 – When you have not connected your TV to the unit using a component video cord.
• When you play back an NTSC disc in progressive scanning mode, the System outputs the NTSC signal regardless of the color system settings.

Setting the Clock:
• "0:00" will flash on the display until you set the clock.
• The clock may gain or lose 1 to 2 minutes per month. If this happens, reset the clock.

Unique DVD/VCD Operations (see pages 16 to 18)
Selecting the Sound Track:
• On some DVD Videos, you cannot change audio languages while playing back.

Playing Back Bonus Group:
• You cannot select a track in the bonus group for Program Play.

Special Picture Playback:
• During slow-motion playback, no sound will be reproduced.
• You cannot use frame-by-frame playback for DVD-VR.
• While zoomed in, the picture may look coarse.

Advanced Disc Operations (see pages 19 to 21)

Programming the Playing Order—Program Play:
• While programming steps...
  – Your entry will be ignored if you have tried to program an item number that does not exist on the disc (for example, selecting track 14 on a disc that only has 12 tracks).
  – For SVCD/VCD/CD loaded on the other tray than the current one, the System may prompt for the group number entry as well, however, these entries will be ignored during playback.
• You cannot use Program Play and Random Play for DVD-VR/JPEG discs.
• The programmed contents will remain until you erase it.
• While the PROGRAM indicator is on, you cannot change the disc to play. (DISC 1 – 5 on the remote control and ▶ on the main unit do not work.)

On-Screen Disc Operations (see pages 22 to 28)

Operations Using the On-screen Bar:
• A-B Repeat:
  – A-B Repeat cannot be used on some DVDs.
  – A-B Repeat is possible only within the same title or within the same track.

Operations on the Control Screen:
• For DVD-VR playback...
  – **Original Program:** The System can play back the original picture in the recorded order.
  – **Play List:** The System can play back the play list edited by the recording equipment. The control screen for the play list appears only when the disc has the play list.
  – Resume is not available.
  – For details about DVD-VR format and play list, refer to the manual of the recording equipment.
• For JPEG files playback...
  – It is recommended that you record a file at 640 x 480 resolution. (If a file has been recorded at a resolution of more than 640 x 480, it will take a long time to be shown.)
  – This System can play only baseline JPEG files*. Progressive JPEG files* or lossless JPEG files* cannot be played.
    * Baseline JPEG format: Used for digital cameras, web, etc.
    Progressive JPEG format: Used for web.
    Lossless JPEG format: An old type and rarely used now.

• This System can play back JPEG files with the extension code <.jpg> or <.jpeg> (regardless of the letter case—upper/lower).
• This System may not play back JPEG files properly if they are recorded on the devices other than digital still camera.
• During slide-show playback, zoom cannot be operated.

Recording Operations (see pages 29 to 30)

General:
• You cannot change the source during recording.
• There is leader tape which cannot be recorded onto at the start and the end of cassette tapes. Thus, when recording discs or radio broadcasts, wind the leader tape first to ensure that the recording will be made without any music part lost.
• If no cassette is inserted or a protected tape has been inserted, "NO REC" appears on the display.
• If you select the Surround Mode (DANCE, HALL, STADIUM—see page 13), you can also record the surround elements. (Other sound adjustments do not affect the recording level.)

Recording on a Tape:
• When using Reverse Mode for recording, start recording in the forward (▶) direction first; otherwise, recording will stop when only one side (reverse) of the tape is recorded.

Synchronized Disc Recording:
• Recording starts from the first track even if you have selected a track by using ▶▶/◀◀. To specify track(s) to record, program them (or use One Track Recording).
• While recording, you cannot use disc operation buttons (except for ■) and sound setting buttons (except for volume control).
• Everything on the disc goes onto the tape in the order on the disc, or according to the order you have made for Program Play.
• You cannot use Repeat Play while synchronized recording (Repeat Play will be canceled).
• DISC REC START button does not work:
  – While playback is paused.
  – When Random Play is activated.
  – While playing back or being paused with Program Play.
• When the tape reaches its end in the forward direction (▶) during recording, the last song will be re-recorded at the beginning of the reverse side (◀).
• When the tape reaches its end in the reverse side (◀) during recording, recording stops even though the disc is not entirely recorded.

40

Enjoying Karaoke (see pages 31 to 33)

Reducing the Lead Vocal—Vocal Masking:
- The Vocal Masking Mode setting is not applied to the optical digital output signals through the OPTICAL DIGITAL OUTPUT terminal.
- When playing a Karaoke disc in the Vocal Masking Mode, the vocal may not be reduced or the volume may be lower.
- On some music, the Vocal Masking Mode does not provide the correct effect.

Scoring Your Karaoke Skill:
- Before the scoring function is activated, you can select the track by pressing ▶▶|/|◀◀ (except for DVD Video and SVCD/VCD with PBC).
- If you press ▶▶|/|◀◀ while scoring, playback stops and scoring is canceled (but the track is not skipped).
- If you activate the scoring function while playback is stopped with Resume function, playback starts from the position you have stopped.
- You can also activate the scoring function while playing back. In this case, the scoring starts from that point.
- While the scoring function is in use, you cannot use the following buttons: V.MASKING, MIC MIX, RESERVE, and disc operation buttons (except for ▶▶|/|◀◀/■).
- Activating the scoring function cancels Repeat Play.
- You cannot use the scoring function during Program Play, Random Play, or recording.
- The ranking (top 3) is cleared when you turn off the System. (If the number of songs scored is less than 3, "0 POINT" appears.)

Reserving Karaoke Songs—Karaoke Program Play:
- If you have selected a disc tray on which DVD Audio or DVD-VR is loaded, that disc number is skipped.
- If DVD Audio or DVD-VR is loaded on the current tray, you cannot use Karaoke Program Play.
- When the track starts playback, that track number will be erased from the Karaoke reserve screen (the programmed contents will remain until you erase it).
- While the PROGRAM indicator is flashing, you cannot change the disc to play. (DISC 1 – 5 on the remote control and ▶ on the main unit do not work.)

Timer Operations (see pages 34 to 35)

Setting the Timer:
- If you do not specify the preset station or track number correctly while setting a timer, the currently selected station or the first track will be played when timer is activated.
- When you unplug the AC power cord or if a power failure occurs, the timer will be canceled. You need to set the clock first, then the timer again.
- Without stopping the recording, you cannot change the source after Recording Timer starts recording.
- If you set DVD Video as the source, Daily Timer will not work correctly.

Setup Menu Operations (see pages 36 to 37)

General:
- If the upper and lower parts of the menu are cut off, adjust the picture size control of the TV.

LANGUAGE menu:
- When the language you have selected for MENU LANGUAGE, AUDIO LANGUAGE, or SUBTITLE is not recorded on a disc, the original language is used as the initial language.

PICTURE menu—MONITOR TYPE:
- Even if "4:3 PS (MULTI)" is selected, the screen size may become 4:3 letter box with some DVD Videos. This depends on how the discs are recorded.
- When you select "16:9 (MULTI)" for a picture whose aspect ratio is 4:3, the picture slightly changes due to the process for converting the picture width.

AUDIO menu—DOWN MIX:
- This setting is not effective when DTS software is played back.

OTHERS menu—ON SCREEN GUIDE:
- The setup menu and on-screen bar will be displayed (and recorded) even though this function is set to "OFF." Subtitles and the information for zoom-in always appear on the display regardless of this setting.

Maintenance ●●●●●●●●●●●

To get the best performance of the System, keep your discs, tapes, and mechanism clean.

Handling discs
- Remove the disc from its case by holding it at the edge while pressing the center hole lightly.
- Do not touch the shiny surface of the disc, or bend the disc.
- Put the disc back in its case after use to prevent warping.
- Be careful not to scratch the surface of the disc when placing it back in its case.
- Avoid exposure to direct sunlight, temperature extremes, and moisture.

To clean the disc:
Wipe the disc with a soft cloth in a straight line from center to edge.

Handling cassette tapes

• If the tape is loose in its cassette, take up the slack by inserting a pencil in one of the reels and rotate it.
  – If the tape is loose, it may get stretched, cut, or caught in the cassette.
• Be careful not to touch the tape surface.
• Avoid the following places to store the tape—in dusty places, in direct sunlight or heat, in moist areas, on a TV or speaker, or near a magnet.

To keep the best recording and playback sound quality
• Use a cotton swab moistened with alcohol to clean the heads, capstans, and pinch rollers.
• Use a head demagnetizer (available at electronics and audio shops) to demagnetize the heads (when the System turned off).

To protect your recording
Cassettes have two small tabs on the back to protect from unexpected erasure or re-recording.
To protect your recording, remove these tabs.
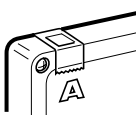
To re-record on a protected tape, cover the holes with adhesive tape.

Cleaning the System

• Stains should be wiped off with a soft cloth. If the System is heavily stained, wipe it with a cloth soaked in water-diluted neutral detergent and wrung well, then wipe clean with a dry cloth.
• Since the System may deteriorate in quality, become damaged or get its paint peeled off, be careful about the following:
  – DO NOT wipe it with a hard cloth.
  – DO NOT wipe it strong.
  – DO NOT wipe it with thinner or benzine.
  – DO NOT apply any volatile substance such as insecticides to it.
  – DO NOT allow any rubber or plastic to remain in contact for a long time.

Troubleshooting ●●●●●●●●●

If you are having a problem with your System, check this list for a possible solution before calling for service.

General:

Adjustments or settings are suddenly canceled before you finish.
⇨ There is a time limit. Repeat procedure again.

Operations are disabled.
⇨ The built-in microprocessor may malfunction due to external electrical interference. Unplug the AC power cord and then plug it back in.

Unable to operate the System from the remote control.
⇨ The path between the remote control and the remote sensor on the System is blocked.
⇨ The batteries are exhausted.

No sound is heard.
⇨ Speaker connections are incorrect or loose.
⇨ Headphones are connected.

No picture appears on the screen.
⇨ The video cord connections are incorrect or loose.

No picture is displayed on the TV screen, the picture is blurred, or the picture is divided into two parts.
⇨ The System is connected to a TV which does not support progressive video input.
⇨ Incorrect color system is selected (see page 14).

The left and right edges of the picture are missing on the screen.
⇨ Select "4:3 LB (MULTI)" for "MONITOR TYPE" (see page 36).

Radio Operations:

Hard to listen to broadcasts because of noise.
⇨ Antennas connections are incorrect or loose.
⇨ The AM loop antenna is too close to the System.
⇨ The FM antenna is not properly extended and positioned.

Disc Operations:

The disc does not play.
⇨ You have inserted a disc whose Region Code is not "3." ("REGION ERR" appears on the display.)
⇨ The disc is placed upside down. Place the disc with the label side up.

ID3 Tag on an MP3 disc cannot be shown.
⇨ There are two types of ID3 Tag—Version 1 and Version 2. This System can only show ID3 Tag Version 1.

42

MP3 groups and tracks are not played back as you expect.

⇨ The playing order is determined when the disc was recorded. It depends on the writing application.

MP3/WMA or JPEG files are not played back.

⇨ The inserted disc may include both type of tracks (MP3/WMA files and JPEG files). In this case, you can only play back the files selected by the "FILE TYPE" setting (see page 36).

⇨ You have changed the "FILE TYPE" setting after you inserted a disc. In this case, reload the disc.

The disc sound is discontinuous.

⇨ The disc is scratched or dirty.

The disc playback sounds strange.

⇨ Cancel Key Control (see page 32).

No subtitle appears on the display though you have selected the initial subtitle language.

⇨ Some DVDs are programmed to always display no subtitle initially. If this happens, press SUB TITLE after starting play (see page 17).

Audio language is different from the one you have selected as the initial audio language.

⇨ Some DVDs are programmed to always use the original language initially. If this happens, press AUDIO after starting play (see page 16).

The disc tray does not open or close.

⇨ The AC power cord is not plugged in.

⇨ Child Lock is in use. "LOCKED" appears in the display window (see page 21).

⇨ The Program Play is in use. Cancel the Program Play (see page 20).

Tape Operations:

The cassette holder cannot be opened.

⇨ Power supply from the AC power cord has been cut off while the tape was running. Turn on the System.

Recording Operations:

Impossible to record.

⇨ Small tabs on the back of the cassette are removed. Cover the holes with adhesive tape.

⇨ The Karaoke scoring function is in use. Cancel the scoring function (see page 32).

Karaoke Operations:

Cannot activate the scoring function.

⇨ DVD Audio or DVD-VR is playing.

⇨ You cannot use the scoring function while recording, or while the disc menu for DVD Video/SVCD/VCD is shown on the TV screen.

Scoring result seems wrong (or "– –" appears).

⇨ The playback time with the scoring function is too short. It is recommended to sing for more than one and a half minutes. (If playback time is less than one minute, the scoring is canceled.)

⇨ No input from the microphone or the input level (MIC LEVEL) is too low.

⇨ You have sung in too low voice.

Timer Operations:

Daily Timer or Recording Timer does not work.

⇨ The System has been turned on when the on-time comes. Timer starts working only when the System is turned off.

Language Code List ●●●●●●●●●●●●●●●●●●●●●●●●●●●●●

AA	Afar	FA	Persian	KM	Cambodian	OM	(Afan) Oromo	SU	Sundanese
AB	Abkhazian	FI	Finnish	KN	Kannada	OR	Oriya	SV	Swedish
AF	Afrikaans	FJ	Fiji	KO	Korean (KOR)	PA	Panjabi	SW	Swahili
AM	Ameharic	FO	Faroese	KS	Kashmiri	PL	Polish	TA	Tamil
AR	Arabic	FY	Frisian	KU	Kurdish	PS	Pashto, Pushto	TE	Telugu
AS	Assamese	GA	Irish	KY	Kirghiz	PT	Portuguese	TG	Tajik
AY	Aymara	GD	Scots Gaelic	LA	Latin	QU	Quechua	TH	Thai
AZ	Azerbaijani	GL	Galician	LN	Lingala	RM	Rhaeto-Romance	TI	Tigrinya
BA	Bashkir	GN	Guarani	LO	Laothian	RN	Kirundi	TK	Turkmen
BE	Byelorussian	GU	Gujarati	LT	Lithuanian	RO	Rumanian	TL	Tagalog
BG	Bulgarian	HA	Hausa	LV	Latvian, Lettish	RU	Russian	TN	Setswana
BH	Bihari	HI	Hindi	MG	Malagasy	RW	Kinyarwanda	TO	Tonga
BI	Bislama	HR	Croatian	MI	Maori	SA	Sanskrit	TR	Turkish
BN	Bengali, Bangla	HU	Hungarian	MK	Macedonian	SD	Sindhi	TS	Tsonga
BO	Tibetan	HY	Armenian	ML	Malayalam	SG	Sangho	TT	Tatar
BR	Breton	IA	Interlingua	MN	Mongolian	SH	Serbo-Croatian	TW	Twi
CA	Catalan	IE	Interlingue	MO	Moldavian	SI	Singhalese	UK	Ukrainian
CO	Corsican	IK	Inupiak	MR	Marathi	SK	Slovak	UR	Urdu
CS	Czech	IN	Indonesian	MS	Malay (MAY)	SL	Slovenian	UZ	Uzbek
CY	Welsh	IS	Icelandic	MT	Maltese	SM	Samoan	VI	Vietnamese
DA	Danish	IW	Hebrew	MY	Burmese	SN	Shona	VO	Volapuk
DZ	Bhutani	JI	Yiddish	NA	Nauru	SO	Somali	WO	Wolof
EL	Greek	JW	Javanese	NE	Nepali	SQ	Albanian	XH	Xhosa
EO	Esperanto	KA	Georgian	NL	Dutch	SR	Serbian	YO	Yoruba
ET	Estonian	KK	Kazakh	NO	Norwegian	SS	Siswati	ZU	Zulu
EU	Basque	KL	Greenlandic	OC	Occitan	ST	Sesotho		

43

Specifications ●●●●●●●●●●●●●●●●●●●●●●●●●●●●●●●

Amplifier section

Output Power:
MAIN SPEAKERS: 150 W per channel, min. RMS, driven into
4 Ω at 1 kHz with no more than 10% total harmonic
distortion.
Digital output:
OPTICAL DIGITAL OUTPUT:
–21 dBm to –15 dBm (660 nm ±30 nm)
Audio input sensitivity/Impedance
(Measured at 1 kHz, with tape recording signal 300 mV)
AUX: 300 mV/47 kΩ
MIC 1/2: 3.0 mV/50 kΩ
VIDEO OUT:
Color system: NTSC/PAL selectable

VIDEO (composite): 1 V(p-p)/75 Ω
S-VIDEO: Y (luminance) 1 V(p-p)/75 Ω
C (chrominance, burst) 0.286 V(p-p)/75 Ω
COMPONENT (Interlace/Progressive):
(Y) 1 V(p-p)/75 Ω
(PB/PR) 0.7 V(p-p)/75 Ω

Speaker Terminals: 4 Ω – 16 Ω (Main speakers)
16 Ω – 32 Ω (Surround speakers)

Tuner section

FM tuning range: 87.50 MHz – 108.00 MHz
AM (MW) tuning range: 531 kHz – 1 710 kHz (at 9 kHz)
530 kHz – 1 710 kHz (at 10 kHz)

Disc player section

Playable disc: DVD Video/DVD Audio/CD/VCD/SVCD
CD-R/CD-RW (recorded in Audio CD/Video CD/
Super Video CD formats and MP3/WMA/JPEG
files)
DVD-R (recorded in DVD Video format)
DVD-RW (recorded in DVD Video format or DVD-
VR format)
DVD-RAM (recorded in DVD-VR format)
Dynamic range: 80 dB
Horizontal resolution: 500 lines
Wow and flutter: Immeasurable

Cassette deck section

Frequency response
Normal (type I): 50 Hz – 14 000 Hz
Wow and flutter: 0.15% (WRMS)

General

Power requirement: AC 110 V / AC 127 V / AC 220 V / AC
230 V – AC 240 V ∼ , (adjustable with
the voltage selector), 50 Hz / 60 Hz
Power consumption: 195 W (at operation)
20 W (on standby)
Dimensions (W/H/D) (approx.): 185 mm x 460 mm x 361 mm
Mass (approx.): 10.9 kg

Supplied Accessories

See page 3.

Speakers

Main Speakers

Type: 3-Way 3-Speaker Bass Reflex
(Magnetically-Shielded Type)
Speaker systems: Woofer: 18 cm cone x 1
Mid: 5 cm cone x 1
Tweeter: 2 cm dome x 1
Power handling capacity: 150 W
Impedance: 4 Ω
Frequency range: 37 Hz – 31 000 Hz
Sound pressure level: 85 dB/W•m
Dimensions (W/H/D) (approx.): 204 mm x 460 mm x 271 mm
Mass (approx.): 4.6 kg each

Surround Speakers

Speaker systems: 8 cm cone x 1
Power handling capacity: 40 W
Impedance: 16 Ω
Dimensions (W/H/D) (approx.): 105 mm x 230 mm x 125 mm
Mass (approx.): 0.7 kg each

Design and specifications are subject to change without notice.

- Manufactured under license from Dolby Laboratories.
  "Dolby", "Pro Logic", "MLP Lossless", and the double-D
  symbol are trademarks of Dolby Laboratories.
- "DTS" and "DTS 2.0+DIGITAL OUT" are trademarks of
  Digital Theater Systems, Inc.
- This product incorporates copyright protection technology
  that is protected by U.S. patents and other intellectual property
  rights. Use of this copyright protection technology must be
  authorized by Macrovision, and is intended for home and
  other limited viewing uses only unless otherwise authorized
  by Macrovision. Reverse engineering or disassembly is
  prohibited.
- "CONSUMERS SHOULD NOTE THAT NOT ALL HIGH
  DEFINITION TELEVISION SETS ARE FULLY
  COMPATIBLE WITH THIS PRODUCT AND MAY
  CAUSE ARTIFACTS TO BE DISPLAYED IN THE
  PICTURE. IN CASE OF 525 OR 625 PROGRESSIVE SCAN
  PICTURE PROBLEMS, IT IS RECOMMENDED THAT
  THE USER SWITCH THE CONNECTION TO THE
  'STANDARD DEFINITION' OUTPUT. IF THERE ARE
  QUESTIONS REGARDING OUR TV SET
  COMPATIBILITY WITH THIS MODEL 525p AND 625p
  DVD PLAYER, PLEASE CONTACT OUR CUSTOMER
  SERVICE CENTER."

OPTICAL DIGITAL OUTPUT Signals ●●●●●●●●●●●●●●●●●●●●●●●●●●●●

DIGITAL AUDIO OUTPUT Playback disc	Output Signals		
	STREAM/PCM	DOLBY DIGITAL/PCM	PCM ONLY
DVD Video			
with 48 kHz, 16/20/24 bit Linear PCM	48 kHz, 16 bit Linear PCM[1]		
with 96 kHz, Linear PCM	48 kHz, 16 bit Linear PCM		
with Dolby Digital	Dolby Digital bitstream		48 kHz, 16 bit Linear PCM
with DTS	DTS bitstream	48 kHz, 16 bit Linear PCM	
DVD Audio[2]			
with 48/96/192 kHz, 16/20/24 bit Linear PCM	48 kHz, 16 bit Linear PCM		
with 44.1/88.2/176.4 kHz, 16/20/24 bit Linear PCM	44.1 kHz, 16 bit Linear PCM		
with Dolby Digital	Dolby Digital bitstream		48 kHz, 16 bit Linear PCM
with DTS	DTS bitstream	48 kHz, 16 bit Linear PCM	
DVD-RW/RAM in DVD-VR format			
with 48 kHz, 16/20/24 bit Linear PCM	48 kHz, 16 bit Linear PCM[1]		
with Dolby Digital	Dolby Digital bitstream		48 kHz, 16 bit Linear PCM
SVCD, VCD, CD	44.1 kHz, 16 bit Linear PCM[1]/48 kHz, 16 bit Linear PCM[1]		
CD with DTS	DTS bitstream	44.1 kHz, 16 bit Linear PCM	
MP3/WMA disc	32/44.1/48 kHz, 16 bit Linear PCM		

*1 While playing some DVDs, digital signals may be emitted at 20 bits or 24 bits (at their original bit rate) through the OPTICAL DIGITAL OUTPUT terminal if the discs are not copy-protected.

*2 There is no output for DVD Audio with content protection set.

Parts Index

Remote control

Button		Page	Button		Page
⏻/| AUDIO	31	7	KARAOKE SCORING	1	32
⏻/| TV	32	38			
■	8	9 – 11, 20	KEY #	50	32
▶▶ / ◀◀	9 41	8, 10, 11, 18	KEY ♭	51	32
▶▶| / |◀◀	7 39	9, 10	L / R BALANCE	54	12
∥	40	9, 18			
▲ / ▼ / ▶ / ◀ / ENTER	43	10, 15, 17, 18, 23 – 28, 36, 38	MIC MIX	23	31, 33
			MENU/PL	42	10, 26
+ / –	54	13 – 15, 33, 34	ON SCREEN	44	23 – 26
10 keys	45	9, 10, 19, 25, 38	PAGE	18	17
3D PHONIC	53	14	PLAY MODE	49	19, 20
ACTIVE BASS EX	26	12	REPEAT	20	21, 28
			RHYTHM AX	25	12
ANGLE	16	17	RESERVE	24	33
AUDIO	14	16	RETURN	46	10
AUDIO/TV selector	37	7, 38	REVERSE MODE	48	11
AUDIO VOL + / –	38	7, 12	SCAN MODE	47	14
AUX	34	7	SET	27	8, 12, 13, 15, 33, 34, 35
CANCEL	29	20, 33, 35	SET UP	12	36
CHANNEL +/–	5	38	SETTING	55	12, 33
CLOCK/ TIMER	28	15, 34, 35	SLEEP	30	15
			SOUND MODE	52	13
DIMMER	56	15	SUB TITLE	15	17
DISC 1–5	2	9	TAPE-A ◀▶	3	7, 11
DVD LEVEL	19	14	TAPE-B ◀▶	36	7, 11
DVD/CD ▶	4	7, 9	TOP MENU/ PG	11	10, 26
ECHO	22	32			
FM MODE	40	8	TV VOL + / –	6	38
FM/AM	35	7, 8	TV/VIDEO	33	38
GLANCE BACK ↶	10	17	V.MASKING	21	32
			VFP	47	14
GROUP/ TITLE	13	9	ZOOM	17	18, 28

Main unit

Button		Page	Button		Page
⏻/|	2	7	DISC REC START	26	30
Display	8	6			
■	14	8 – 11, 20, 21	DUBBING	28	30
▶▶ / ◀◀	18	8, 10, 11, 18	DVD/CD	10	7, 9
▶▶| / |◀◀	12	9	DVD LEVEL	23	14
∥	11	9, 18	FM/AM	9	7, 8
ACTIVE BASS EX. +/–	6	12	KARAOKE SCORING	15	32
AUX	25	7	MIC 1 / MIC 2	20	31
DEMO	24	7	MIC LEVEL	21	31
Disc trays	1	9	PHONES	7	7
DISC 1–5 ▲ / ▶	5	9, 21, 30	PRESET +/–	12	9

Button		Page	Button		Page
PUSH-OPEN ▲	16 19	11, 29	SOUND MODE	22	13
REC START/ STOP	27	30	TAPE-A	4	7, 11, 30
			TAPE-B	3	7, 11, 29, 30
REVERSE MODE	29	11, 29	TUNING	18	8
			VOLUME +/–	13	7, 12, 31
RHYTHM AX	17	12			

Remote control

Main unit

Remote sensor
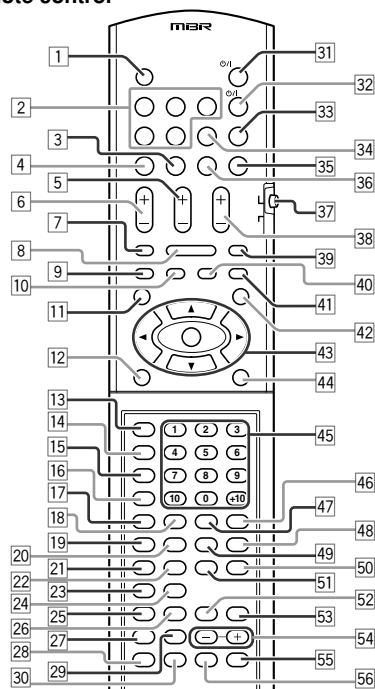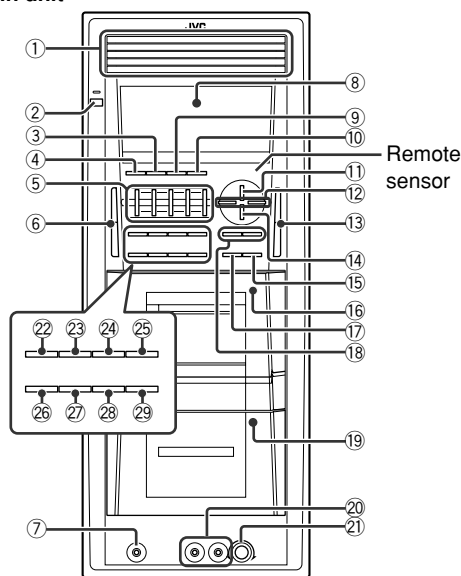
简介

使用前注意事项 ●●●●●●●●●

安装
• 将本机安放在通风良好之处，以防内热积聚在机内。

⚠ STOP! **切勿**将本机安装在靠近热源，受到阳光直射，灰尘多或有震动的地方。

• 将本机安放在平坦，干爽且温度不过于炎热或寒冷的地方一介于 5°C 和 35°C 之间。
• 使本机与电视机之间保留足够的距离。
• 使扬声器远离电视机，以防对电视机造成干扰。

电源
• 在将本机自墙壁插座拔出时，请务必拔插头，而不要拔交流电源线。

⚠ STOP! **切勿**用湿手握交流电源线。

水蒸汽结露
在下列情况下，本机内部的镜头上可能会凝结水蒸汽：
• 打开房间内的取暖设备后
• 在潮湿的房间内
• 将本机直接从一寒冷处移动到温暖处。
如果出现结露，本机可能发生故障。遇此情况，可将本机启动数小时，待结露蒸发掉后拔出交流电源线，然后再重新插回。

内热
• 确保本机周围有良好的通风环境。通风不良会导致热度过高而损坏本机。
  – 本机的内部安装了一个冷却扇，用以防止机内热量积聚。

⚠ STOP! **切勿**堵住通风口或通风孔。如果被报纸或布等堵住，热量可能无法散出。

其他
• 如果发现有金属物体或液体落入机内，请在进行任何处置之前首先拔掉交流电源线，并向经销商咨询解决办法。

⚠ STOP! **切勿**拆卸本机，因为机内没有用户能够自行修理的零件。

• 如果长时间内不打算操作本机，请将交流电源线从墙壁插座中拔出。
无论发生任何问题，请先拔掉交流电源线并向经销商咨询。

内容 ●●●●●●●●●●●●●

1

可以播放的碟片类型 ●●●●●● INFO

DVD 标志是 DVD 格式／标识许可公司的商标。

- CD-R/-RW：以音频 CD/ 视频 CD/SVCD 格式录制的碟片及 MP3/WMA/JPEG 文件。
- DVD-R：以 DVD 视频格式录制的碟片。
- DVD-RW：以 DVD 视频格式或视频记录 （DVD-VR）格式录制的碟片。
- DVD-RAM：以视频记录 （DVD-VR）格式录制的碟片。

除上述碟片之外，本机还可以播放录制在文字 CD、 CD-G（图表 CD）和特版 CD 里的音频数据。

- 不能播放下列碟片：

  DVD+R，DVD+RW、 CD-I （CD-I 就绪），图片 CD等。

  播放这些碟片会产生噪音并损坏扬声器。
- 本手册中在说明 MP3/WMA/JPEG 的操作时，"文件"和"曲目"被互换使用。

> **双碟播放之注意事项：**
> "DualDisc （双碟）"的非 DVD 碟面与 "压缩碟片数码音频"标准不兼容。因此，建议您不要在本产品上播放双碟的非 DVD 碟面。

关于颜色制式
本机与 NTSC 和 PAL 制式均兼容，可以播放以两者当中任何一种制式录制的碟片。
想要切换颜色制式时，参阅第 14 页。

区域代码须知
本机只能播放区域代码中含有数字 "3"的 DVD 视频。
例：

ALL   3   1 3   1 2 3 4

音频格式
本机可以播放下列数码音频格式。
- **LPCM** （线性 PCM），**DIGITAL** （杜比数码），**DTS** （数码影院系统）， **MLP** （莫瑞颠无损耗压缩）

在播放多声道格式编码的 DVD 时，本机适当地将这些多声道信号转换成 2 声道信号，并从主扬声器和距阵环绕声扬声器发出经下行混合后的声音。
- 想要从这些多频道格式编码的 **DVD** 欣赏强劲音响时，须在本机后面板上 OPTICAL DIGITAL OUTPUT （光纤数码输出）端子上连接一个适配型解码器或带有适配型内设解码装置的功率放大器。

> **重要事项：在播放碟片之前，确保进行下列操作 ...**
> - 打开电视机，在电视机上选择适当的输入模式，以便在电视屏幕上观看图像或屏幕显示。
> - 播放碟片时，您可以根据个人爱好来变更初始设定。参阅第 36 页的 "设置菜单操作"。
>
> 在按下按键时如果 " ◯ "标记在电视屏幕上出现，表示碟片不接受您试图进行的操作。

本手册的阅读方法 ●●●●●●●●

- 按键和控制旋钮的操作方法按下表所示进行说明。
- 一些相关性提示和注释统一归纳在后面的 "进一步掌握本机的性能"和 "故障排除"章节里，而未在操作说明章节内给出 （ INFO 图标表示该部分内容还有另外一些信息 ）。

	指示您**短促地**按下按键。
	指示您**短促并反复地**按下按键，直到所需的项目被选取。
	指示您按其中一个按键。
2 秒钟	指示您在指定的时间内**按住**按键不要松开。箭头里的数字是指需要按住多长时间 （本例为 2 秒钟）。
	指示您按指定方向旋转控制旋钮。

Remote ONLY	指示您仅能使用遥控器进行此项操作。
Main Unit ONLY	指示您仅能使用主机进行此项操作。

连接

切勿在所有其他连接完成之前连接交流电源线。

• 将 VIDEO OUT 直接连接至电视机的视频输入。在播放拷贝保护的碟片时，通过 VCR 将 VIDEO OUT 连接至电视机可能会影响观赏效果。将 VIDEO OUT 连接至综合 TV/VCR 制式可能会影响观赏效果。

附件
• FM 天线 （x1）
• AM 环形天线 （x1）
• 复合视频导线 （x1）
• 遥控器 （x1）
• 电池 （x2）
• 交流电源插头适配器 （x1）
如果缺失任何项目，请立即与您的经销商联系。

❶ 自电视机／显示器的视频输入
参阅第 4 页。

❷ 自数码音频组件的数码输入，如：CD 刻录机
参阅第 4 页。

❸ 自外接组件的模拟音频输出 （VCR 等）
参阅第 4 页。

❹ 自 AM/FM 天线
参阅第 4 页。

❺ 自主前置／距阵环绕声扬声器
参阅第 5 页。

❻ 自加强型超重低音扬声器
参阅第 5 页。

❼ 电压选择器
插上电源之前，确认电压选择器指向的位置。
参阅第 5 页。

❽ 接至墙壁插座
只有在所有的连接工作完成之后才可以插上交流电源线。
• 如果交流电插头与墙壁插座不匹配，请使用附带的交流电插头适配器。

3

❶ 电视机／显示器

复合视频导线
（附带）

S 视频导线
（不附带）

绿

红

蓝

分量视频导线（不附带）
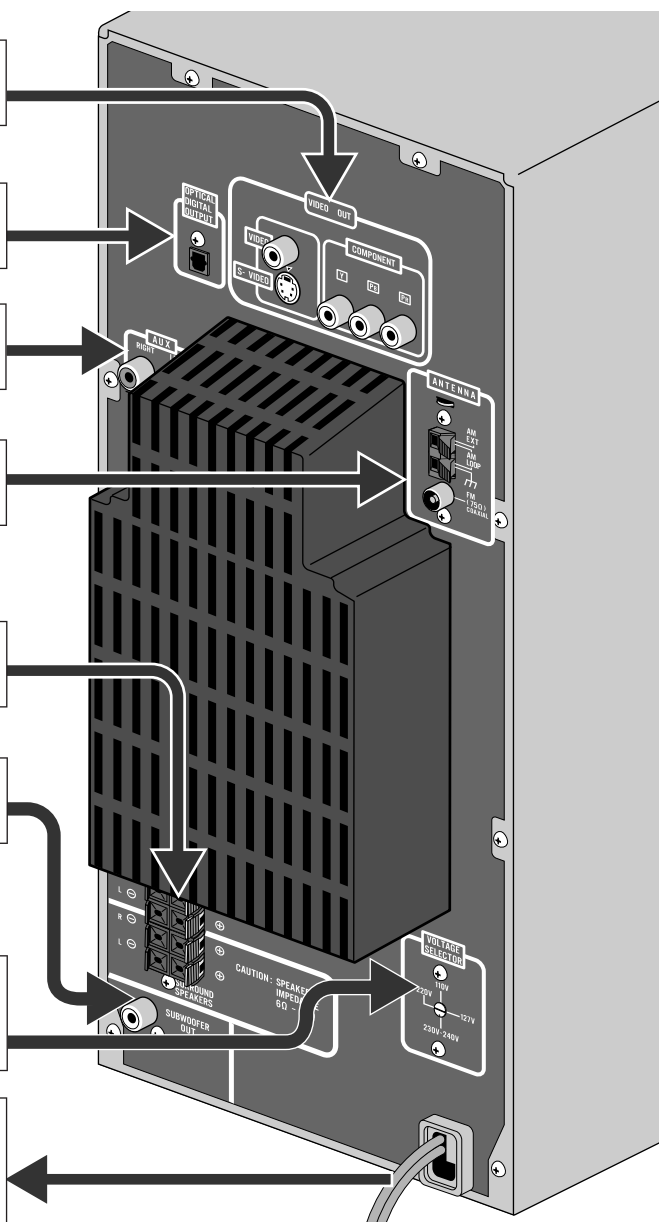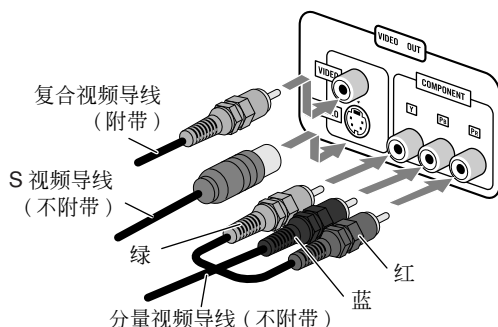
- 想要选择逐行扫描模式 （参阅第 14 页），使用 COMPONENT 插孔。
- 连接 **VIDEO** 插孔，**S-VIDEO** 插孔或 **COMPONENT** 插孔中任何一个您想使用的插孔。

❷ 数码音频组件

保护盖
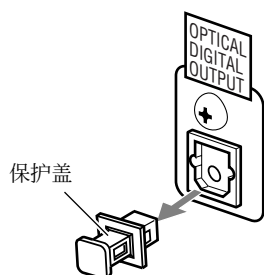
- 根据连接的数码音频设备，正确设定 "音频" 菜单中的 "数码音频输出"（参阅第 37 页）。如果设定不正确，可能会产生很响的噪音，损坏扬声器。

❸ 外接组件

红

立体声音频导线
（不附带）

白
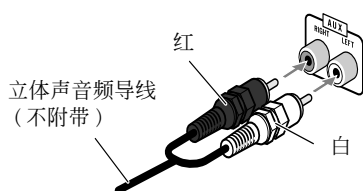
❹ AM/FM 天线

如何装配 **AM** 环形天线

如何连接 **AM/FM** 天线

AM 环形天线（附带）
旋转天线直到获得最佳接收效果。

FM 天线（附带）

伸展天线以获得最佳接收效果。
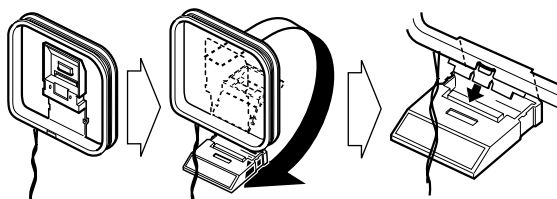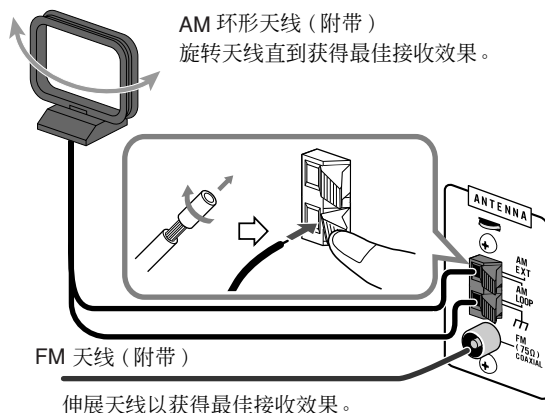
如何获得更好的 **AM/FM** 接收效果

AM 环形天线（附带）
保持在连接状态。

塑料皮绝缘线（不附带）
水平方向伸展。

FM 室外天线
（不附带）
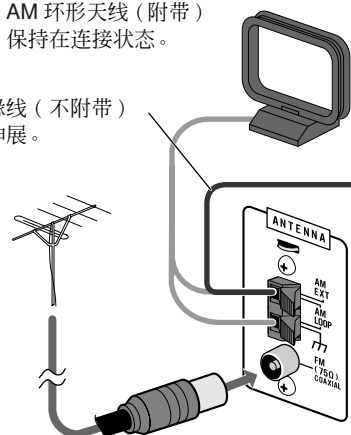
- 卸下附带的 FM 天线，用带有同轴型连接器 （IEC 或 DIN45325）的 75 Ω 导线连接 FM 室外天线。
- 确保天线的导体不要与任何其他端子，接通中的导线以及电源线相碰触。还要使天线远离本机的金属部件，接通中的导线以及交流电源线。否则会造成接收效果不良。

4

❺ 主前置扬声器和距阵环绕声扬声器

• 在连接扬声器导线时，请对准扬声器端子的电极：红色／白色与（+）相连接，黑色与（−）相连接。

① ② ③ ④
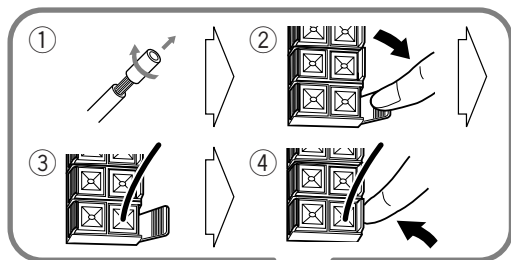
自右前置主扬声器

CAUTION:
SPEAKER
IMPEDANCE
4Ω - 16Ω

MAIN
SPEAKERS

R ⊖   ⊕
L ⊖   ⊕

R ⊖   ⊕
L ⊖   ⊕

自左前置主扬声器

CAUTION: SPEAKER
IMPEDANCE
16Ω - 32Ω

SURROUND
SPEAKERS

自右置距阵环绕声扬
声器

自左置距阵环绕声扬声
器

• 只能使用主机后面板扬声器端子所标示阻抗的扬声器。
• 前置主扬声器受磁场屏蔽以避免电视机的颜色失真。然而，如果安装不当，可能会引起颜色失真。因此，安装扬声器时请注意下列事项。
  – 将电视机放置在电视机附近时，关闭电视机主电源开关或在安装扬声器前拔去电源插头。
  然后等至少 30 分钟再打开电视机主电源开关。
  尽管您遵循了上述说明，有的电视机仍会受到影响。如果此种情况发生，将扬声器移至远离电视机的地方。

⚠️STOP!
• **切勿**在每个端子上连接一只以上的扬声器。
• **切勿**推或拉扬声器因为这样会损坏扬声器底部的地脚。

如何取下主扬声器格子窗

插孔

插销

扬声器格子窗
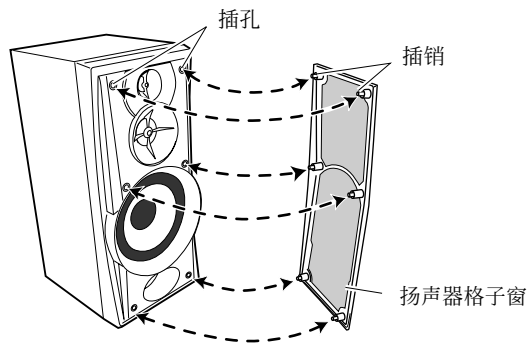
❻ 加强型超重低音扬声器

自加强型超重低音扬声器
（不附带）

SUBWOOFER
OUT

❼ 如何调整电压选择器

VOLTAGE
SELECTOR
110V
220V   127V
230V-240V
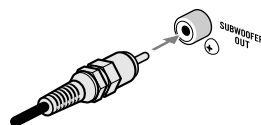
电压标记

使用螺丝刀转动电压选择器，让电压标记指向与本机供电电压相同的电压值。（另请参阅封底页。）
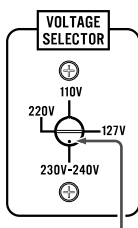
⚠️STOP!
切勿在设定电压选择器和完成所有的连接工作之前接通电源。

着手准备遥控器 ●●●●●●●●
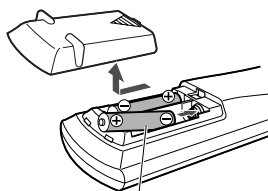
使用遥控器时，尽量将遥控器顶部对准遥感器。如果在斜线位置进行操作，操作的有效范围（大约 5 m）可能会变短。

R6(SUM-3)/AA(15F)

• 按联邦，州际以及当地的规定适当地处理电池。

⚠️STOP!
切勿为电池充电，使电池短路，分解电池或加热电池或将其扔置于火中。

5

中

文

在操作本机的过程中，显示屏上会出现许多指导性信息显示。在操作本机之前，请首先弄清显示屏上的指示灯是在何时并如何点亮。
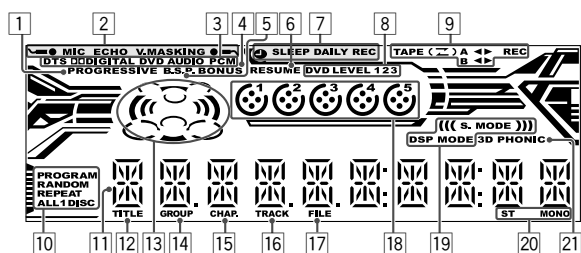
1 PROGRESSIVE 指示灯
- 选择逐行扫描模式时点亮。

2 卡拉 OK 操作模式指示灯 （参阅第 31 至 33 页）
- ➔●/●➔：麦克风混频模式启动时点亮；使用打分功能时闪烁。
- MIC：麦克风混频模式启动时点亮；使用打分功能时闪烁。
- ECHO：回音功能启动时点亮。
- V.MASKING：原唱掩蔽模式启动时点亮。

3 播放源信号指示灯
- DTS：播放源信号为 DTS 时点亮。
- DLI DIGITAL：播放源信号为杜比数码时点亮。
- DVD：检测出是 DVD 视频时点亮。
- DVD AUDIO：检测出是 DVD 音频时点亮。
- PCM：播放源信号为线性 PCM 时点亮。

4 BONUS 指示灯
- 检测出是含有赠送组的 DVD 音频时点亮 （参阅第 18 页）。

5 B.S.P. 指示灯
- 可以播放 DVD 音上的幻灯式静止图像时点亮 （参阅第 17 页）。

6 RESUME 指示灯
- 记忆播放功能启动时点亮 （参阅第 37 页）。

7 定时器指示灯
- ◕：日常定时器或录音定时器处于待机，工作或设定状态时点亮。
- SLEEP：睡眠定时器启动时点亮。
- DAILY：日常定时器处于待机时点亮；处于工作状态或设定状态时闪烁。
- REC：录音定时器处于待机时点亮；处于工作状态或设定状态时闪烁。

8 DVD LEVEL 1/2/3 指示灯
- 该灯点亮指示 DVD 视频递增水平。

9 磁带操作指示灯
- TAPE：A 舱或 B 舱内装载磁带时均点亮。
- ⊃⊂（转向模式）：该灯点亮指示当前转向模式 （参阅第 11 页）。
- A：磁带装载在 A 舱时点亮。
- B：磁带装载在 B 舱时点亮。
- ◄►（走带方向）：
  – 点亮时指示当前的走带方向。
  – 在播放或录音时慢慢闪烁。
  – 在倒带时快速闪烁。
- REC：正在录音时点亮。

10 碟片操作指示灯
- PROGRAM：程序播放模式启动时点亮。
- RANDOM：随机播放模式启动时点亮。
- REPEAT：重复播放模式启动时点亮。
- ALL DISC：全曲重复模式启动时点亮。
- 1 DISC：单碟重复模式启动时点亮。
- 1：单曲／章节／步进重复模式启动时点亮。

11 主屏幕

12 TITLE 指示灯
- 播放源为 DVD 视频时，该灯点亮指示标题号。

13 音频信号指示灯
- 该灯点亮指示接收到音频声道信号。

14 GROUP 指示灯
- 该灯点亮指示组号。

15 CHAP. 指示灯
- 该灯点亮指示章节号。

16 TRACK 指示灯
- 该灯点亮指示曲目号。

17 FILE 指示灯
- 该灯点亮指示文件号。

18 碟片指示灯
- 1 – 5：该灯点亮指示当前碟片托盘。
- ❖：检测出碟片托盘中装有碟片时点亮；在播放的过程中或暂停时旋转。

19 声音模式指示灯 （参阅第 13 页）
- S.MODE：声音模式 （环绕声／SEA ／用户模式）之一启动时点亮 （对应环绕声模式，⟪⟨⟩⟫ 灯也点亮）。
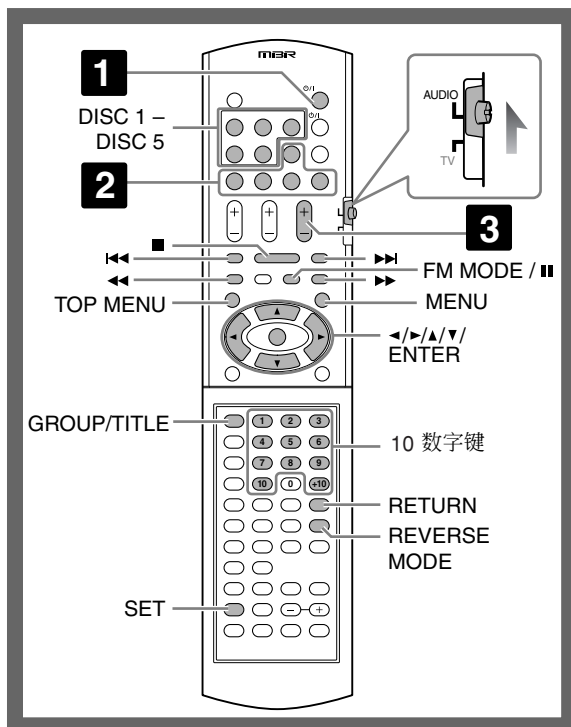- DSP MODE：环绕声模式之一启动时点亮。

20 FM 接收状态指示灯
- ST （立体声）：在收到具有足够信号强度的 FM 立体声电台时点亮。
- MONO：在接收单声道 FM 立体声电台时点亮。

21 3D PHONIC 指示灯
- 3 维立体声模式启动时点亮 （参阅第 14 页）。

日常操作–播放

本手册主要讲解如何使用遥控器进行操作；但如果主机上存在相同（或相似）名称和符号的按键和控制旋钮，也可以使用它们进行操作。

DISC 1 –
DISC 5

AUDIO

TV

TOP MENU

◄◄

FM MODE / ❚❚

MENU

◄/►/▲/▼/
ENTER

GROUP/TITLE

10 数字键

RETURN
REVERSE
MODE

SET

1 启动电源。

主机上的 STANDBY 灯熄灭。

• 不用按 ⏻/❙ AUDIO 键，只要在下一步操作中按某个播放源选择键，本机便会自动启动。

2 选择播放源。

如果选择的播放源已经准备就绪可以播放，播放会自动开始。

• 如果按 AUX 键，开始播放的是外接组件上的播放源。

3 调整音量。

4 按照后面的说明操作播放源。

如何关闭本机（使本机进入待机状态）

⏻/❙ AUDIO

主机上的 STANDBY 灯点亮呈红色。

• 即使在待机状态下也总会有少许电量一直在消耗。

如何进行个人专听

可将一对头戴耳机连接到主机的 PHONES 插孔上。扬声器便不再发出声音。**但在连接或戴上头戴耳机之前，请务必将音量调低。**

• 卸下头戴耳机时，扬声器便又开始启动。

切勿在将音量设定在极高水平时关闭本机（使本机进入待机状态）；否则，当您启动本机或开始播放时，突然发出的高声可能损伤您的听力，扬声器和／或头戴耳机。

1

⏻/❙ AUDIO

2

AUX

DVD/CD   TAPE-A   TAPE-B   FM/AM

3

AUDIO VOL

+
−

VOLUME 15

取消屏幕演示

Main Unit
ONLY

2秒钟

DEMO

DEMO OFF

DEMO START

DEMO OFF
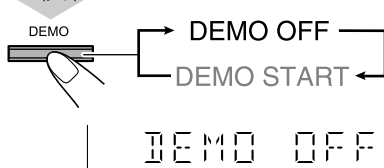
想要开始屏幕演示时，选择 DEMO START 键。

7
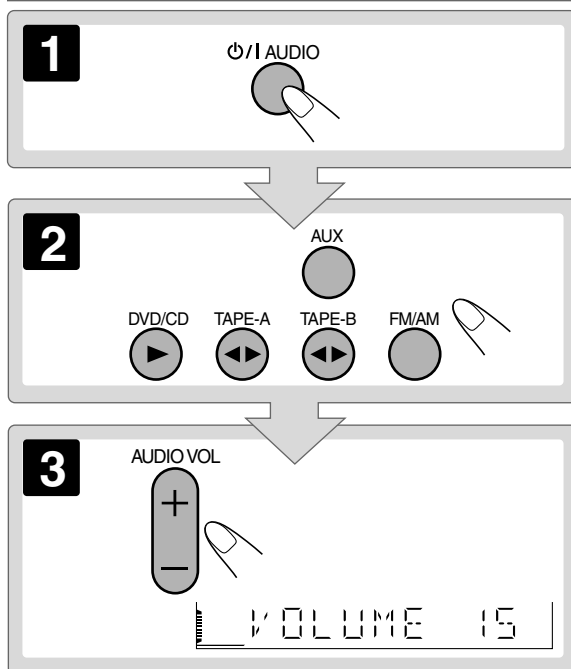
收听广播 ● ● ● ● ● ● ● ● ● ● INFO

如何选择 AM 调谐器的间隔距离 【Main Unit ONLY】

某些国家将 AM 电台设定成 9 kHz 间隔，而另一些国家则使用 10 kHz 间隔。

1 选择 "AM"，然后关闭本机（使本机进入待机状态）。

FM/AM → FM → AM → ⏻/I
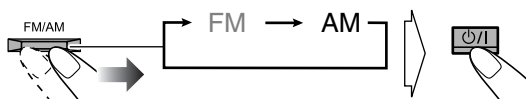
2 选择 AM 调谐器间隔距离。

想要选择 9 kHz 时：
◀◀ ▶▶ TUNING （按住该键然后按...）

想要选择 10 kHz 时：
◀◀ ▶▶ TUNING （按住该键然后按...）
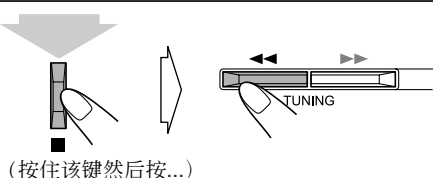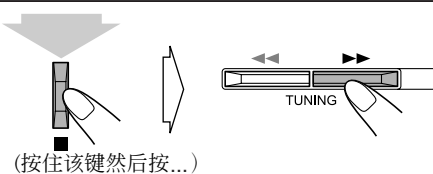
如何选择波段（FM/AM）

FM/AM → FM → AM

如何调收电台

当选择 FM 或 AM 时 ...

1 秒钟

◀◀ ▶▶ → 递增频率。

→ 递减频率。
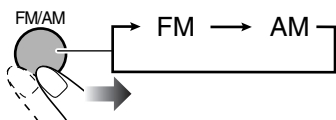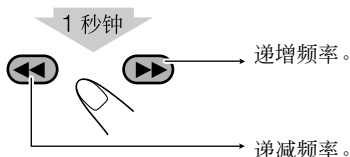
频率开始在显示屏上变换。
当收到某个具有足够强度信号的电台（频率）后，频率搜索便会停止。
• 当您反复地按下按键时，频率一步一步慢慢地变换。

想要停止手动搜索电台时，按其中任意一个键。

如果收到的 FM 电台听不清 【Remote ONLY】》

FM MODE

MONO 指示灯会在显示屏上点亮。尽管立体声效果丢失，但接受效果得到改善—单声道接收模式。
想要恢复立体声效果时，再按一次该键（MONO 指示灯熄灭）。

如何预设电台 【Remote ONLY】》

您可以预设 30 个 FM 电台和 15 个 AM 电台。
• 想要在预设过程中取消操作，按 CANCEL 键。

1 调收想要预设的电台。
• 如果选择 FM 预设电台，您可以为其储存单声道接收模式。

2 开始预设。

SET　　SET

3 选择一个预设号码。

(1)(2)(3)
(4)(5)(6)
(7)(8)(9)
(10)(0)(+10)

例：
想要选择预设号码 5，按 5。
想要选择预设号码 15，按 +10，然后按 5。
想要选择预设号码 30，按 +10，+10，然后按 10。
• 您也可以使用 +/– 键。

P - 12

4 储存该电台。

SET　　STORED
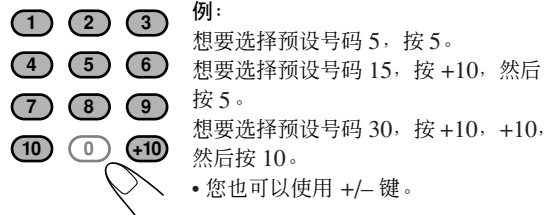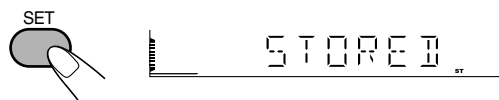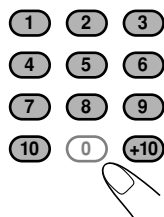
如何调收预设的电台

1 选择波段（FM 或 AM）。

FM/AM → FM → AM

8
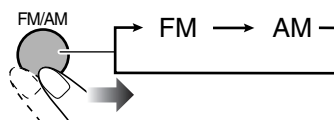
2 选择一个预设号码。

例：
想要选择预设号码 5，按 5。
想要选择预设号码 15，按 +10，然后按 5。
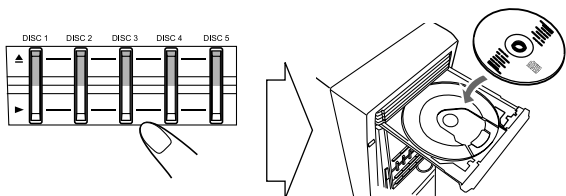想要选择预设号码 30，按 +10，+10，然后按 10。
• 您也可以使用遥控器上的 |◀◀/▶▶| 键或主机上的 PRESET +/– 键。

播放碟片 ●●●●●●●●●●● INFO

在操作碟片之前，首先了解碟片是如何录制的。
• DVD 视频由 "**标题**" 构成，标题内含有 "**章节**"，DVD 音频 /MP3/WMA 由 "**组**" 构成，组内含有 "**曲目**"，JPEG 由 "**组**" 构成，组内含有 "**文件**"，而 CD/SVCD/VCD 只由 "**曲目**" 构成。
• 关于 JPEG 播放，参阅第 27 页。

如何插入碟片 [Main Unit ONLY]

• 在使用 8 cm 碟片时，将其放在碟片托盘的里圈上。
想要关闭碟片托盘时，再按一次 ▲ 键。
• 如果对应同一碟片托盘按 ▶ 键，碟片托盘自动关闭并开始播放。

想要开始播放时：	想要暂停播放时：	想要停止播放时：
DVD/CD ▶	FM MODE ❚❚	■
当前碟片开始播放。	想要解除暂停时，按 DVD/CD ▶ 键。	

在播放 DVD/SVCD/VCD/MP3 时：本机可以记忆播放的停止点，当下次按 DVD/CD ▶ 键再开始播放时，播放会接着上次的停止点起开始进行一记忆播放。（停止播放时 RESUME 指示灯会点亮。）
在记忆播放功能启动状态下想要令播放完全停止时，按两次 ■ 键。(想要取消记忆播放时，参阅第 37 页的 "记忆播放"。)

屏幕指南图标

• 在碟片播放的过程中，下列图标可能在电视屏幕上出现片刻：

📹	在含有多角度画面影像的播放开始处出现。
◯◯	在含有多音频语言影像的播放开始处出现。
⋯⋯	在含有多字幕语言影像的播放开始处出现。

• 下列图标还会在电视屏幕上出现，以指示当前的操作内容。

▶, ❚❚, ▶▶, ◀◀, ❚▶, ◀❚

• 想要关闭屏幕指南图标时，参阅第 37 页的 "屏幕指南"。

如何选择碟片

开始播放。

如何选择标题／组 [Remote ONLY]

在播放碟片的过程中 ...

GROUP/TITLE
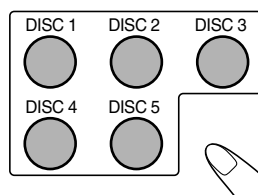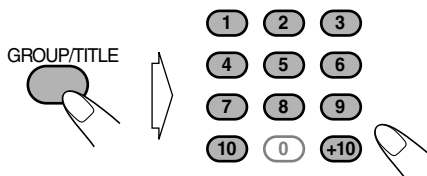
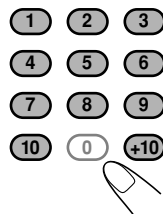### 如何选择标章节／曲目

在播放碟片的过程中 ...

或

• 首次按 |◀◀ 键可以返回当前章节／曲目的开始处。

9

如何搜索特定部位
在播放 MP3/WMA 以外的碟片时 ...

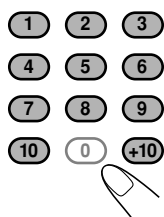• 在 DVD 视频 /SVCD/VCD 上进行搜索的过程中不发出声音。

想要返回到标准播放时，按 DVD/CD ► 键。

如何直接选择项目

您可以直接选择标题／章节／曲目并开始播放。

• 对应 DVD 视频，在**开始播放之前**可以选择**标题**，而在**开始播放之后**可以选择**章节**。

例：
想要选择号码 5，按 5。
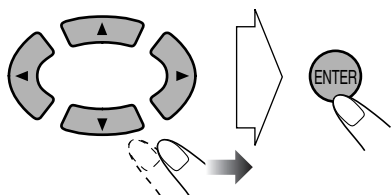想要选择号码 15，按 +10，然后按 5。
想要选择号码 30，按 +10，+10，然后按 10。

如何使用碟片菜单进行播放

您可以使用碟片菜单来操作碟片。

■ 对应 DVD 视频 /DVD 音频

1 显示碟片菜单。

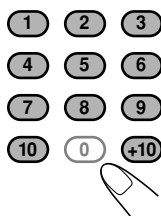TOP MENU/PG　　或　　MENU/PL

2 在碟片菜单上选择项目。

• 有些碟片还可以通过使用 10 数字键输入数字的方法来选择项目。

■ 对应带有 PBC 功能的 SVCD/VCD
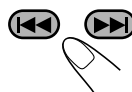在播放带有 PBC 功能的碟片时，"PBC" 字样而非播放时间会在显示屏上出现。
当碟片菜单在电视机上出现时，在菜单上选择一个项目。被选项目便会开始播放。

例：
想要选择号码 5，按 5。
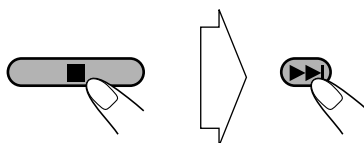想要选择号码 15，按 +10，然后按 5。
想要选择号码 30，按 +10，+10，然后按 10。

想要移到当前菜单的上一页或下一页时：	想要返回到原先的菜单时：
	RETURN

想要取消 PBC 功能时

碟片菜单不显示在电视屏幕上时，您也可以通过按 10 数字键取消 PBC 功能，开始播放。

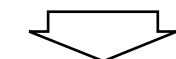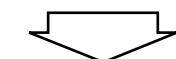**想要重新启动 PBC 功能时，按 ■ 键，然后按 ►◄◄ 键。**

中
文

播放磁带 ●●●●●●●●●●●

如何插入磁带

您可以播放 I 型磁带。

• 建议不要使用 C-120 或更长的磁带。

推

插入

关闭

想要开始播放时：	想要停止播放时：
TAPE-A TAPE-B	
想要倒带时：	

如何切换走带方向

TAPE-A TAPE-B

（播放正面）

（播放反面）

如何自动转向播放磁带

REVERSE MODE
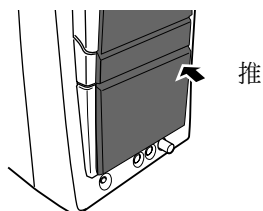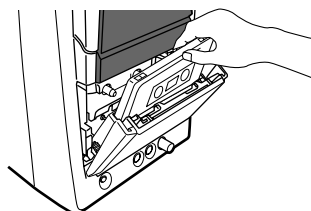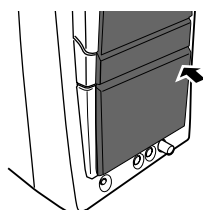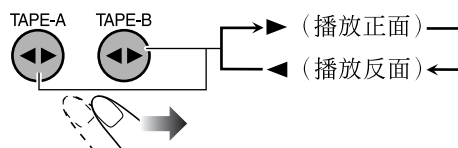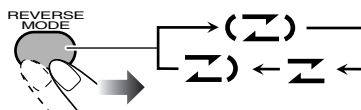
(⊐)	磁带转向，来回反复播放，直到您令播放停止。
⊐	磁带不会转向播放。当前的一面播完后便自动停止。
⊐)	磁带转向播放一次。

如何连续播放 A 舱和 B 舱─接力播放

当两个舱内都装有磁带时 ...

REVERSE MODE

TAPE-A TAPE-B

您可以开始播放 A 舱或 B 舱内的磁带。

日常操作—调整声音和其他项目

中
文

遥控器

AUDIO VOL +/−

◄/►/▲/▼/
ENTER

VFP /
SCAN MODE

DVD LEVEL

ACTIVE
BASS EX.

RHYTHM AX

SET

CLOCK/TIMER

SLEEP

SOUND MODE

3D PHONIC

+/−
L/R BALANCE

SETTING

DIMMER

主机

ACTIVE BASS
EX. +/−

SOUND MODE
DVD LEVEL

VOLUME+/−

RHYTHM AX

12
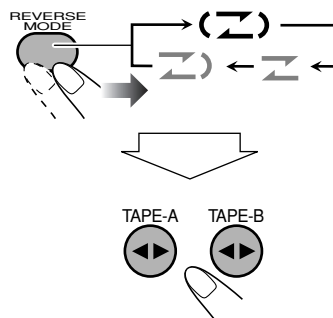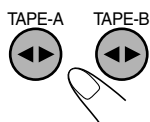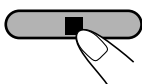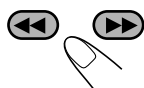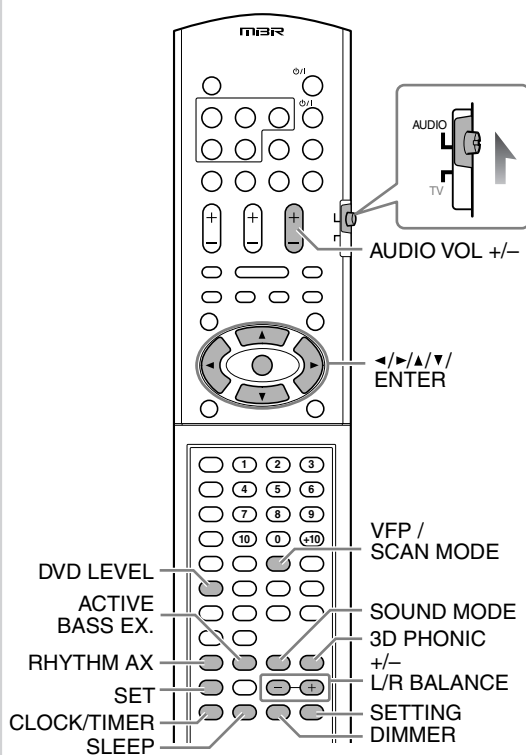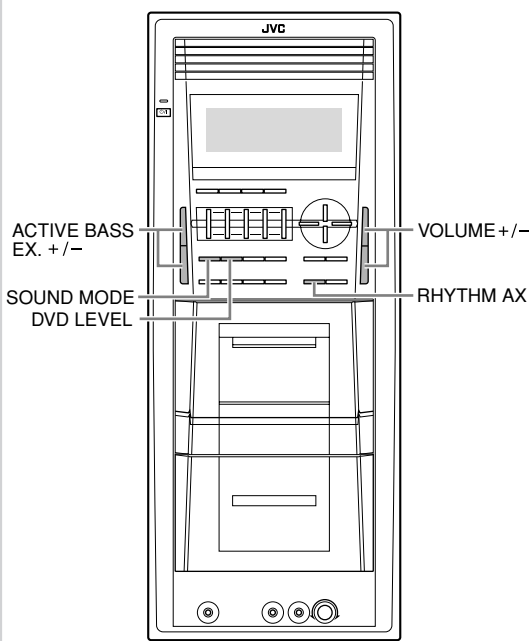
调整音量 ●●●●●○●●●●●

音量水平可以在 32 个阶段（VOLUME MIN，VOLUME 1
– VOLUME 30 以及 VOLUME MAX）之间进行调整。

遥控器：	主机：
AUDIO VOL	VOLUME
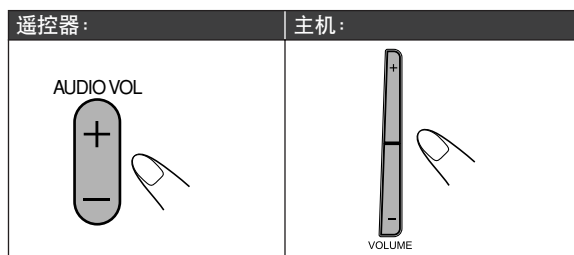
增强低音 ●●●●●●●●●●●

如何渐次调整低音水平—**ACTIVE BASS EX.**

您可以在水平 0（最低）至水平 2（最高）之间选择低音水
平。

遥控器：	主机：
ACTIVE BASS EX	ACTIVE BASS EX.
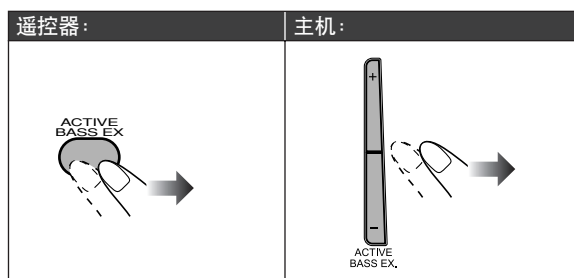
如何突出节奏感—**RHYTHM AX**

此功能可以突出强调高低音感。

RHYTHM AX → ON → OFF

调整输出平衡 [Remote ONLY] »» ●●●●●●●
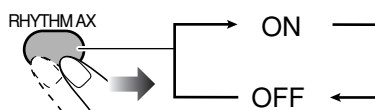
您可以调整扬声器的输出平衡。

1 输入平衡设定模式。

SETTING → LR BALANCE ← FANFARE → SET

2 调整平衡。

L − BALANCE −R

R −6 ◄···► 0 ◄···► L −6
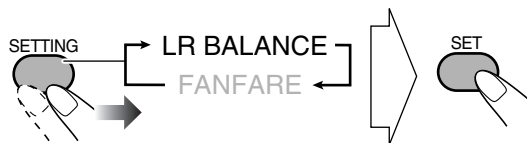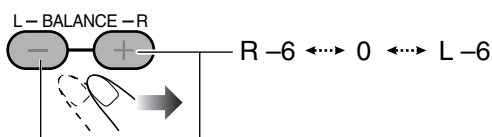
选择声音模式 ●●●●●●●●●●

您可以选择一种预设的声音模式。

SEA 模式

SOUND
MODE

→ ROCK → POP → CLASSIC → USER1–3 ┐
└ STADIUM ← HALL ← DANCE ← MULTI ← OFF ←┘
环绕声模式 *
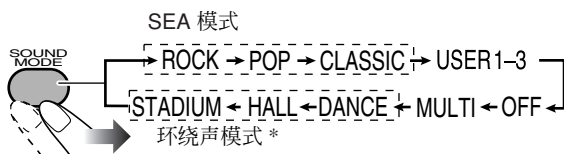
SEA （声音效果放大器）模式	
ROCK	增强低频和高频。适于原声音乐 （初始设定）。
POP	适于声乐。
CLASSIC	适于古典音乐。
用户模式	
USER1/2/3	是指储存在记忆体中的个人模式。参阅下栏里的 "建立个人声音模式—用户模式"。
多模式	
MULTI	环绕扬声器的声音输出与主扬声器的声音输出相同。
环绕声模式 *	
DANCE	增大回音和低音效果。
HALL	增加音色里的深度和明亮度。
STADIUM	增加音色里的清澄度和扩展度，如同身处露天运动场。

* SEA 效果加上环绕声效果便可以在您的房间内建立身临现场的感觉。

想要取消声音模式，选择 "OFF"。

建立个人声音模式 〔Remote ONLY〕 »)）●●● 〔INFO〕
—用户模式 ●●●●●●●●●●

您可以调整预设声音模式以建立符合您品位的个人声音模式。变更后的设定可以储存成 USER1， USER2 和 USER3 模式。

• 如果想在声音模式中加入环绕声成分，选择环绕声模式之一进行调整。

当声音模式的名称在显示屏上显示时 ...

1 进入 SEA 控制模式。

SET

⎿ SEA CONT ⏌

2

SET

⎿ BASS +3 ⏌
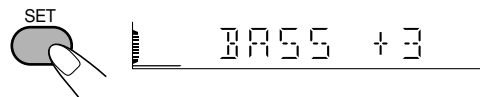
3 调整 SEA 方案。
① 调整 BASS。
② 调整 TREBLE。

L – BALANCE – R

（ − ＋ ）→ SET
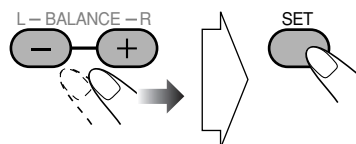
• 您可以在 –5 至 +5 的范围内调整高音和低音。

4 选择一种用户模式。

L – BALANCE – R

（ − ＋ ）— USER1 ↔ USER2 ↔ USER3

⎿ USER 1 ⏌

5 储存设定。

SET

⎿ MEMORY ⏌

• 声音模式切换成您已储存的模式。

13

创建 3 维声场—3 维立体声 （*Remote ONLY*）») [INFO]

在播放碟片的过程中 ...

3D PHONIC

| 3D PHONIC | 动作 | → | 3D PHONIC | 舞台 |
| 3D PHONIC | 断 | ← | 3D PHONIC | 剧院 |

在电视屏幕上
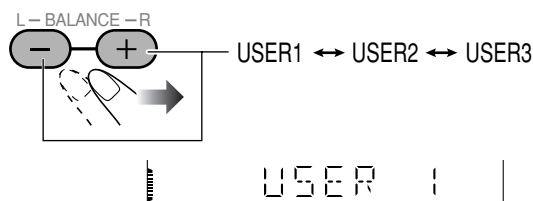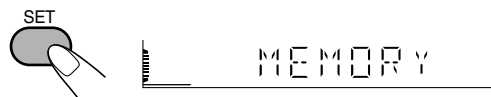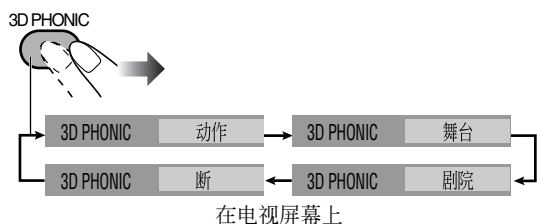
3D 动作	适于动作片和体育节目。
3D 舞台	建立自然和温和的声音。使您在欣赏电影时能够心情放松。
3D 剧院	烘托出一种在大剧院内欣赏到的声音效果。

预设 DVD 自动声音增高水平 ● ● ● ● ●

有时录制 DVD 视频时所用的声音水平会比其他碟片和播放源低。因此您可以设定当前装载的 DVD 视频的声音增高水平，这样便不用在更换播放源时调整音量。

DVD LEVEL → DVD LEVEL1 → DVD LEVEL2 → DVD LEVEL3 →
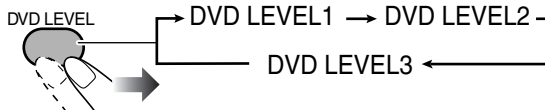
随着数字增大，表示声音水平也在增高。
• 初始设定为 "DVD LEVEL3"。

切换颜色制式和扫描模式 （*Remote ONLY*）») ● [INFO]

您可以选择与电视机的颜色制式 （NTSC 或 PAL）相匹配的视频输出。
• 如果通过 COMPONENT 插孔连接逐行扫描电视机，您可以通过选择逐行扫描模式从内置 DVD 播放器欣赏到高质量的画面。
• 只有当碟片播放停止时才能更改设定。

1 输入颜色制式设定模式。

4 秒钟

SCAN MODE
VFP

2 选择颜色制式和扫描模式。

L — BALANCE — R

→ NTSC ↔ PAL ←
↳ PAL PROG ↔ NTSC PROG ↵
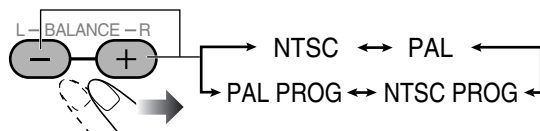
| **NTSC / PAL** | NTSC 或 PAL 隔行扫描。适用于传统 PAL 或 NTSC 电视机。 |
| **NTSC / PAL PROG** | NTSC 或 PAL 逐行扫描。适用于逐行扫描 NTSC 或 PAL 电视机。 |

3 储存设定。

SET

切换图像色调 （*Remote ONLY*）») ● ● ● ● ● ●
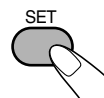
当观看在电视机上出现的图像时，您可以选择预设的图像色调，或者对其进行调整并储存成个人喜爱的色调。

如何选择预设的图像色调

1 播放时，显示 VFP 设定画面。

SCAN MODE
VFP
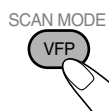
| 标准 |
背景亮度	0
亮度	0
对比度	0
饱和度	0
色调	0
清晰度	0

在电视屏幕上

2 选择预设的图像色调。


```
              标准 ←→ 影剧院
             用户2 ←→ 用户1
```
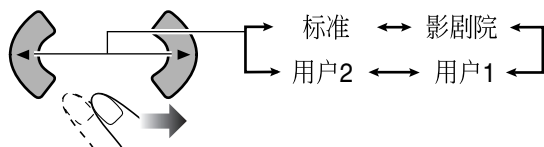
标准	标准情况下选此项。
影剧院	适于电影播放源。
用户 1／用户 2	您可以调整参数并储存设定内容（参阅以下说明）。

如何调整图像色调

1 选择 "用户 1" 或 "用户 2"。
• 操作上一页说明的步骤 **1** 和 **2**。

2 选择想要调整的参数。
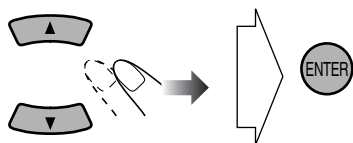
背景亮度	自然色过亮或过暗时调整此项。选定暗点和亮点的亮度 （–3 至 +3）。
亮度	整体上看图像过亮或过暗时调整此项 （–8 至 +8）。
对比度	远近位置不自然时调整此项 （–7 至 +7）。
饱和度	图像发白或发黑时调整此项 （–7 至 +7）。
色调	肌肤色不自然时调整此项 （–7 至 +7）。
清晰度	图像模糊不清时调整此项 （–8 至 +8）。

3 调整参数。
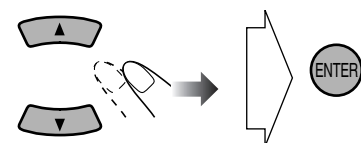
4 重复步骤 **2** 至 **3** 调整其他参数。

想要清除 VFP 画面，再按一次 VFP 键。

改变显示屏亮度 （Remote ONLY）》） ●●●●●


```
DIMMER  ┌→ DIMMER 1 → DIMMER 2 ┐
        └─── DIMMER OFF ←──────┘
              （取消）
```
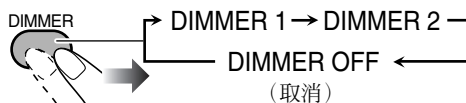
DIMMER 1	显示屏和主机上的照明灯变暗 ＊。
DIMMER 2	显示屏变暗 （与 DIMMER 1 相同）且主机上的照明灯熄灭 ＊。

＊ RHYTHM AX 和 KARAOKE SCORING 灯除外。

设定时钟 （Remote ONLY）》） ●●●●●● INFO

如果不设定内设的时钟，您无法使用任何一种定时器。
• 想要退出时钟设定模式时，根据需要按 CLOCK/TIMER 键。
• 在操作的过程中想要修正误输入时，按 CANCEL 键。您可以退回到上一步骤。

1 启动时钟设定模式。

• 如果您以前已经调整过时钟，须反复按此键，直到时钟时间开始闪烁。

2 调整小时，然后调整分钟。
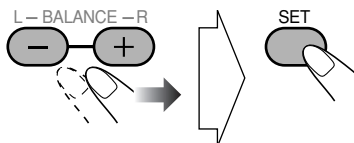
此时内设的时钟开始计时。

自动关闭电源 （Remote ONLY）》） ●●●●●●

使用睡眠定时器，您可以在音乐的伴奏下安然进入梦乡。

1 指定时间 （用分钟）。


```
SLEEP  ┌→ 10 → 20 → 30 → 60 → 90 ┐
       └─ 取消 ← 150 ← 120 ←────┘
```

2 一直等到设定的时间消失。

如何确认关机之前的剩余时间

SLEEP

• 如果反复按此键，可以变更关机时间。

DVD/VCD 的特殊操作

遥控器

DVD/CD ►

◄◄
►►
GLANCE
BACK ↰
■ ■
◄/►/▲/▼/
ENTER

AUDIO
SUB TITLE
ANGLE
ZOOM
PAGE

10 数字键
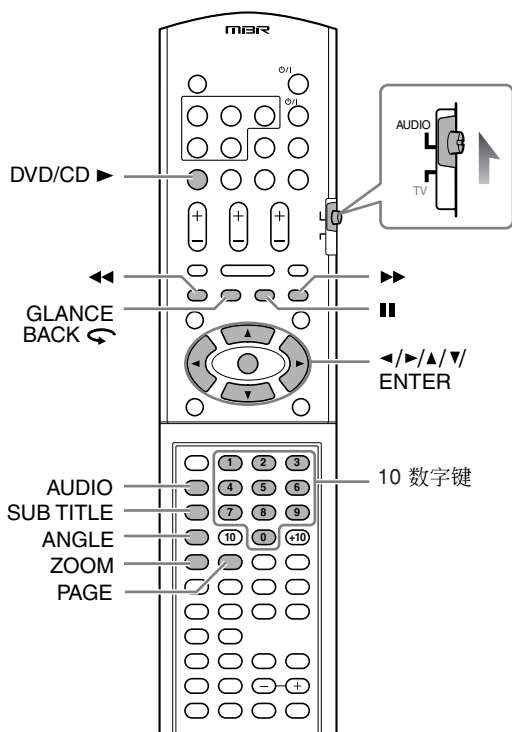
选择音频曲目 (Remote ONLY) ≫》 ● ● ● ● INFO

对应 DVD 视频：在播放含有声音语言的章节时，可以选择想要听的语言。

对应 DVD 音频：在播放含有音频声道的曲目时，可以选择想要听的音频声道。

对应 DVD-VR/ 卡拉 OK SVCD/VCD：在播放曲目时，可以选择想要播放的音频声道。

• 您也可以使用屏幕条窗来选择音频曲目（参阅第 23 页）。

在播放 DVD 视频的过程中 ...

AUDIO

例：

| ⊙D 1/3 | ⊙D 2/3 | ⊙D 3/3 |
| 英语 | 法语 | 日语 |

Hello → Bonjour → おはよう

在播放 DVD-VR，SVCD 或 VCD 的过程中 ...

AUDIO

| SVCD |
| → ⊙D ST1 → ⊙D ST2 → ⊙D L1 ┐ |
| └ ⊙D R2 ← ⊙D L2 ← ⊙D R1 ┘ |

| DVD-VR/VCD |
| → ⊙D ST → ⊙D L → ⊙D R |
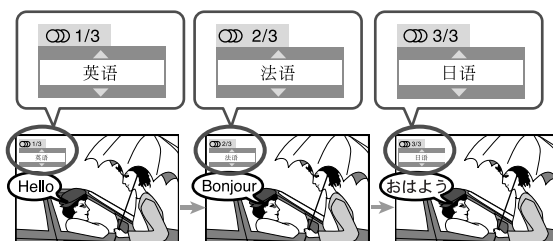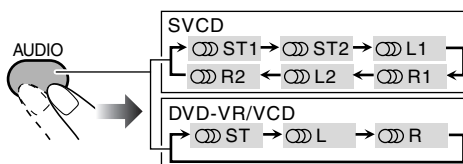
ST1/ST2/ST	想要听标准立体声（2 声道）时选此项。
L1/L2/L	想要听左音频声道时选此项。
R1/R2/R	想要听右音频声道时选此项。

• SVCD 可以有 4 个音频声道。卡拉 OK SVCD 通常使用这 4 个声道去复录 2 声道的被录体（ST1/ST2）。

选择字幕语言 〔 *Remote ONLY* 〕�》）●●●●●●

对应 DVD 视频：在播放含有多种语言字幕的章节时，您可以选择想让其在电视屏幕上显示的字幕语言。
对应 DVD-VR：在播放过程中，您可以打开或关闭字幕语言。
对应 SVCD：在播放过程中，尽管碟片上未录制字幕，您也可以进行选择。
• 您也可以使用屏幕条窗来选择字幕语言 （参阅第 23 页）。

在播放 DVD 视频过程中 ...

1 显示字幕选择窗。

SUB TITLE

2 选择字幕语言。

例：

□ 1/3	□ 2/3	□ 3/3
英语	法语	日语

Hello → Bonjour → おはよう
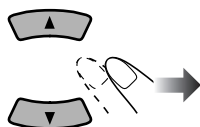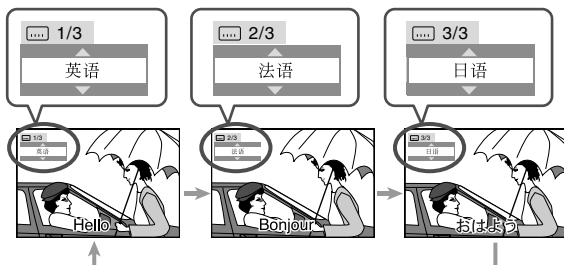
在播放 DVD-VR 的过程中 ...

SUB TITLE

□ ON	□ OFF
通	断

在播放 SVCD 的过程中 ...

SUB TITLE

□ −/4	□ 1/4	□ 2/4
断	1	2

□ 4/4	□ 3/4
4	3

选择观赏角度 〔 *Remote ONLY* 〕�》）●●●●●●
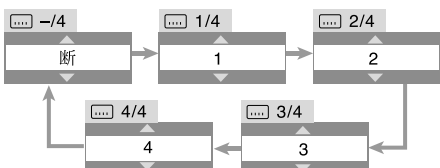
仅对应 DVD 视频：在播放含有多制式观赏角度的章节时，您可以从不同的角度来观赏同一个画面。
• 您也可以使用屏幕条窗来选择观赏角度 （参阅第 23 页）。

在播放的过程中 ...

ANGLE

例：

🎥 1/3	🎥 2/3	🎥 3/3
1	2	3

快速观看播放 〔 *Remote ONLY* 〕�》）●●●●●●
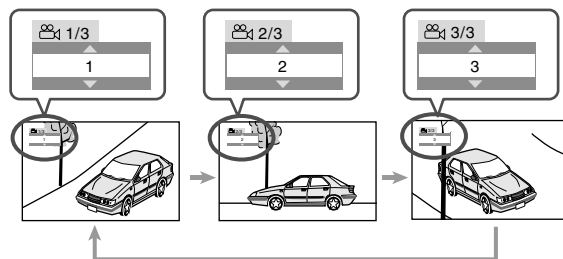
仅对应 DVD 视频 /DVD-VR：您可以将当前播放位置朝前移动 10 秒 （仅在同一标题内）一回顾。

在播放的过程中 ...

GLANCE BACK

选择可浏览静止图像 〔 *Remote ONLY* 〕�》）●●●●

仅对应 DVD 音频：在播放链接有幻灯式静止图像 （B.S.P.）的曲目时，您可以选择 （翻页浏览）欲让其在电视屏幕上显示的静止图像。
• 如果曲目上链接有幻灯式静止图像 （B.S.P.），它们一般会在播放的过程中自动顺次显示。
• 您也可以使用屏幕条窗来选择页面 （参阅第 23 页）。

PAGE

每次按下该键时，静止图像会一个接一个地变换 （如果可能的话）。

17

播放赠送组 〈Remote ONLY〉 »〉 ●●●●●● 〈INFO〉

仅对应 **DVD 音频**：某些 DVD 音频上含有一个被称为 "赠送组" 的特殊组，组的内容不对众公开。
• 想要播放赠送组时，必须为其输入指定的 "开组码"（一种密码）。获得开组码的方法根据碟片而不同。

1 选择赠送组。
• 赠送组一般情况下录在最后 （例如当碟片上包括赠送组在内共录有 4 个组时，"组 4" 便是赠送组）。
• 关于如何选择组，参阅第 9 页的 "如何选择标题／组"。

2 输入开组码。
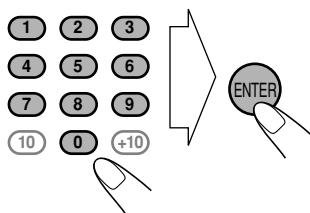
3 根据电视屏幕上出现的交互性指示进行操作。

想要取消开组码输入模式时，按 ■ 键。

特殊的图像播放方法 ●●●●●●● 〈INFO〉

静止图像播放
在播放中 ...

FM MODE

静止图像播放开始。

想要恢复标准播放时，按 DVD/CD ▶ 键。

逐帧播放

1 在播放中 ...

FM MODE

静止图像播放开始。

2 逐帧向前播放静止图像。

FM MODE
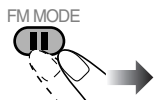
想要恢复标准播放时，按 DVD/CD ▶ 键。

慢动作播放

1 在播放中 ...

FM MODE

静止图像播放开始。

2 选择慢动作速度。

⏪ ⏩

| ⏩ | ▶1/32 → ▶1/16 → ▶1/8 → ▶1/4 → ▶1/2 |
| ⏪ * | ◀1/32 → ◀1/16 → ◀1/8 → ◀1/4 → ◀1/2 |
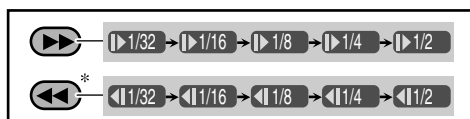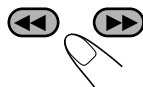
* 不适用于 DVD-VR/SVCD/VCD。

想要恢复标准播放时，按 DVD/CD ▶ 键。

放大播放 〈Remote ONLY〉 »〉

1 在播放中 ...

ZOOM

放大 1 → 放大 2 → 放大 3 → 放大 4
放大 OFF ← 放大 6 ← 放大 5 ←
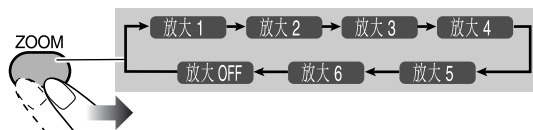
随着数字增大，表示放大倍率也在增大。
• 关于 JPEG 之说明，参阅第 28 页。

2 移动放大部位。
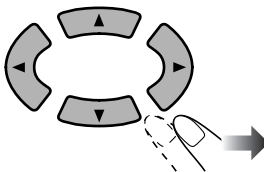
想要恢复标准播放时，反复按 ZOOM 键，直到 "放大 OFF" 字样在电视屏幕上出现。

高级碟片操作

遥控器

DVD/CD ►

■ / ►►| / |◄◄ / ||

▲/▼

10 数字键

REPEAT

PLAY MODE

CANCEL

主机

DVD/CD

DISC 1 ▲

►►| / |◄◄ /
|| / ■
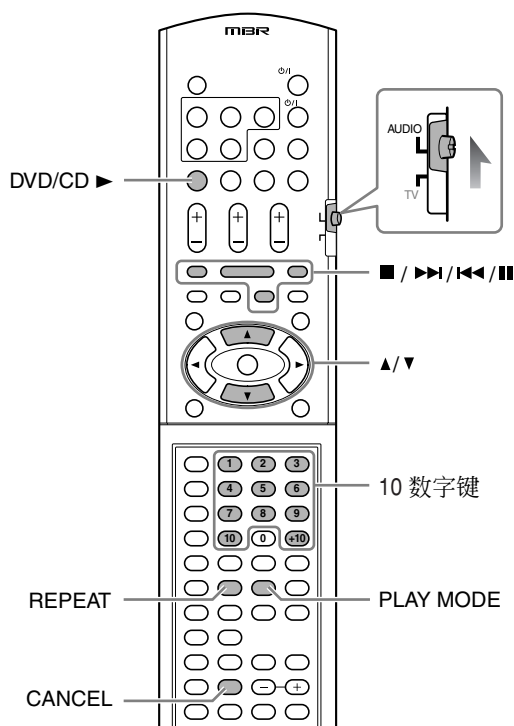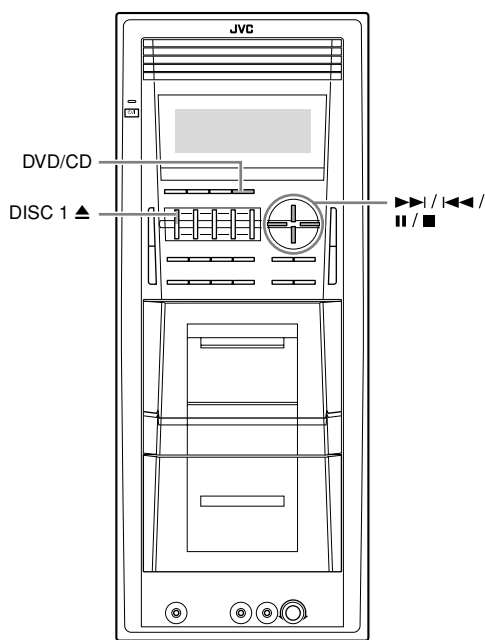
编排播放顺序—程序播放 (Remote ONLY) INFO

在开始播放之前,您可以编排曲目的播放顺序 (最多达 99
曲)。

1 在开始播放之前启动程序播放模式。

PLAY MODE → PROGRAM → RANDOM
取消

PROGRAM

在显示屏上

程序

No	Disc	Group/Title	Track/Chapter
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			

请按数字键设定播放程序,
可按取消键删除。
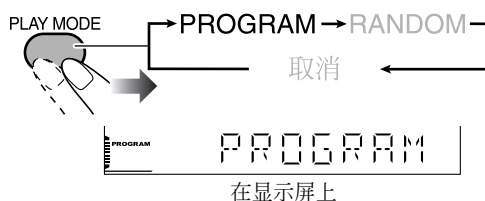
在电视屏幕上

2 选择用于程序播放的章节或曲目。
① 选择碟片号码。
② 选择标题号或组号。
③ 选择章节号或曲目号。
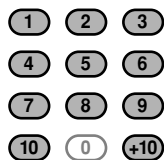
想要输入号码时:	
① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩ ⓪ +10	例: 想要输入号码 5,按 5。 想要输入号码 15,按 +10,然后 按 5。 想要输入号码 30,按 +10, +10,然后按 10。

3 重复上述步骤 2,直到完成所需的程序。

4 开始播放。

DVD/CD

开始按您编排的顺序进行播放。

19

想要跳播曲目时：	想要暂停播放时：	想要停止播放时 *：
	FM MODE 想要解除暂停时，按 DVD/CD ▶键。	

*记忆播放对程序播放不起作用。

如何确认编排的内容 *Remote ONLY* ≫)
在播放前或播放后 ...

 ▲ ⟶ 按与编排时相反的顺序

▼ ⟶ 按编排顺序
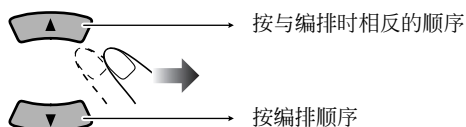
如何修改程序
在播放前或播放后 ...

想要删除最后一步编排的项目时：	想要删除整个程序时：
CANCEL	
想要往程序里增加项目时：	
重复第 19 页的步骤 **2**。	

如何退出程序播放模式
在播放前或播放后 ...

PLAY MODE ⟶ PROGRAM ⟶ RANDOM ⟶ 取消

按任意顺序播放－随机播放 (*Remote ONLY* ≫) ● ●

您可以随机播放所置入碟片的内容。
• 某些 DVD 不能使用随机播放功能。

1 在开始播放之前，首先启动随机播放模式。

PLAY MODE ⟶ PROGRAM ⟶ RANDOM ⟶ 取消

RANDOM ⟶ RANDOM

2 开始播放。

DVD/CD ▶

当前碟片开始按随机顺序播放。当前碟片的所有章节／曲目播放后，下一张碟片开始播放。置入的所有碟片都播放之后，随机播放停止。

想要跳播曲目时：	想要暂停播放时：	想要停止播放时：
  想要跳到当前曲目的开头处时，按 ⏮ 键。	FM MODE 想要解除暂停时，按 DVD/CD ▶ 键。	

如何退出随机播放模式
在播放前或播放后 ...

PLAY MODE ⟶ PROGRAM ⟶ RANDOM ⟶ 取消

重复地播放—重复播放 （Remote ONLY ）»)））●●●●
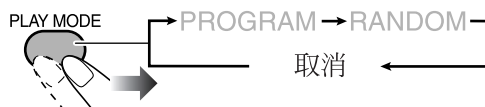
您可以重复地进行播放。
• 您也可以使用屏幕条窗来选择重复模式 （参阅第 23 页）。
• 显示屏上的指示灯按如下所示点亮以说明当前的重复模式。

• 对应 DVD 视频：
在播放中 ...

REPEAT ⟶ REPEAT 1 → REPEAT
　　　　　　取消 ← REPEAT ALL DISC

• 对应 DVD 音频：
在播放中或播放前 ...

REPEAT ⟶ REPEAT 1 → REPEAT
　　　　　　取消 ← REPEAT ALL DISC

• 对应 MP3/WMA：
在播放中或播放前 ...
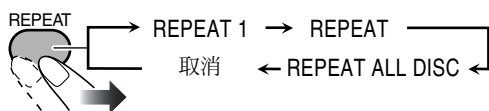
REPEAT → REPEAT 1 → REPEAT → REPEAT 1 DISC
　　　　　　取消 ← REPEAT ALL DISC
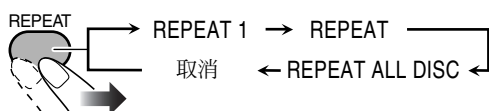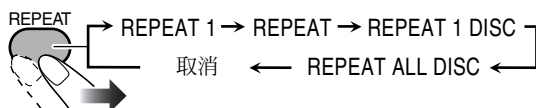
• 对应 CD/SVCD/VCD：
在播放中或播放前 （不带 PBC 功能的 SVCD/VCD） ...

REPEAT → REPEAT 1 ⟶ REPEAT 1 DISC
　　　　　　取消 ← REPEAT ALL DISC

• 对应随机播放：
在播放中或播放前 ...

REPEAT → REPEAT 1 ⟶ REPEAT 1 DISC
　　　　　　取消 ← REPEAT ALL DISC
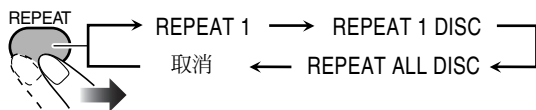
• 对应程序播放：
在播放中或播放前 ...
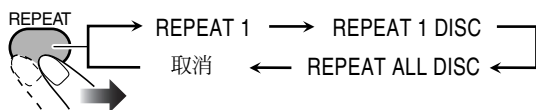
REPEAT → REPEAT 1 → REPEAT ALL
　　　　　　取消
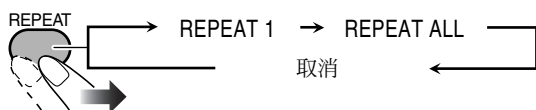
REPEAT 1	重复播放当前的章节／曲目。
REPEAT	重复播放当前的标题／组。
REPEAT 1 DISC*	重复播放当前的碟片。
REPEAT ALL DISC*	重复播放所有碟片。
REPEAT ALL	重复播放所有编排程序里的曲目。

* 以上模式对应 DVD 视频可能无法正常工作。

阻止碟片弹出—儿童锁 Main Unit ONLY ○ ●●●●●

您可以锁住碟片托盘，以致任何人都不能拿出装在里面的碟片。
• 仅当播放源为视盘机时才可以进行此项操作。

处于待机状态时 ...

DISC 1

（按住该键然后按 ...)
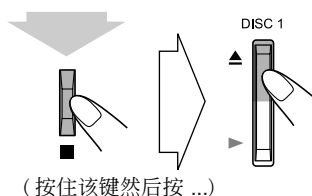
想要解锁时， 重复相同的操作。 "UNLOCKED" 字样会在显示屏上出现。

21

在屏幕上操作碟片

遥控器

DVD/CD ►

■

PG

II
PL

◄/►/▲/▼/
ENTER

ON SCREEN

10 数字键

ZOOM

REPEAT
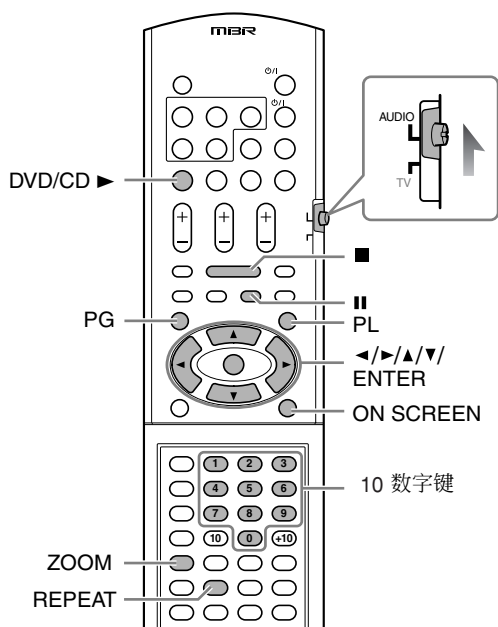
关于屏幕条窗 ● ● ● ● ● ● ● ● ● ●

您可以通过屏幕条窗来确认碟片信息（MP3/WMA/JPEG 碟片除外）以及使用某些功能。

屏幕条窗

DVD 视频
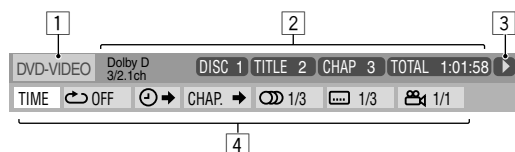
DVD 音频

DVD-VR

SVCD

VCD

CD

22
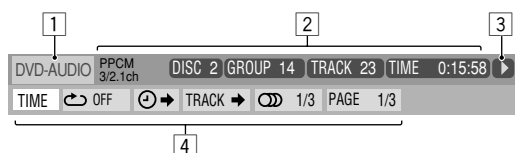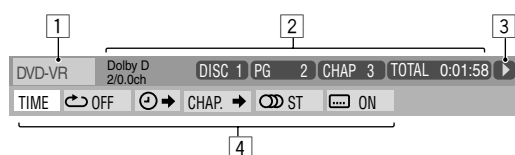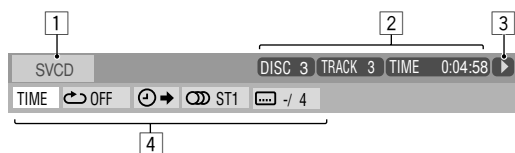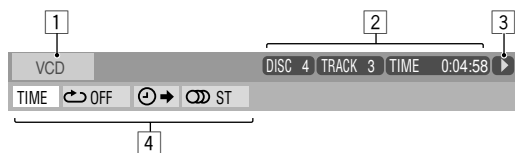
1 碟片类型

2 播放信息

信息	含义
Dolby D/PPCM	音频格式
3/2.1 ch/2.0/0 ch	声道数
DISC 1	当前的碟片
TITLE 2	当前的标题
CHAP 3	当前的章节
GROUP 1	当前的组
TRACK 14	当前的曲目
PG 2	当前的标题
PL 2	当前的播放清单
TOTAL 1:25:58	时间信息

3 播放状态

信息	含义
▶	播放
▶▶/◀◀	前进／倒退搜索
▶/◀	前进／倒退播放慢动作
⏸	暂停
⏹	停止

4 操作图标 （在下拉菜单上）

信息	含义
TIME	想要改变时间信息时选此项（另请参阅第 24 页）。
↻	想要重复播放时选此项（另请参阅第 21，24 和 25 页）。
⏱➡	想要进行时间搜索时选此项（另请参阅第 25 页）。
CHAP. ➡	想要进行章节搜索时选此项（另请参阅第 26 页）。
TRACK ➡	想要进行曲目搜索时选此项（另请参阅第 26 页）。
◯ 1/3	想要切换声音语言或声道时选此项（另请参阅第 16 页）。
▭ 1/3	想要切换字幕语言时选此项（另请参阅第 17 页）。
🎥 1/3	想要切换观赏角度时选此项（另请参阅第 17 页）。
PAGE 1/15	想要翻页时选此项（另请参阅第 17 页）。

使用屏幕条窗进行操作 Remote ONLY >>> ● ● INFO

屏幕条窗上的基本操作程序如下：
例：为 DVD 视频选择字幕语言 （法语）时：

当选择碟片作为播放源时 ...

1 显示带有下拉菜单的屏幕条窗。

ON SCREEN

DVD-VIDEO Dolby D 3/2.1ch   DISC 1 TITLE 2 CHAP 3 TOTAL 1:01:58 ▶

DVD-VIDEO Dolby D 3/2.1ch   DISC 1 TITLE 2 CHAP 3 TOTAL 1:01:58 ▶
TIME ↻ OFF ⏱➡ CHAP. ➡ ◯ 1/3 ▭ 1/3 🎥 1/1

消失

2 选择 （点亮）所需的项目。

◀ ▶

DVD-VIDEO Dolby D 3/2.1ch   DISC 1 TITLE 2 CHAP 3 TOTAL 1:01:58 ▶
TIME ↻ OFF ⏱➡ CHAP. ➡ ◯ 1/3 ▭ 1/3 🎥 1/1

3 显示弹跳窗。

ENTER

1 TITLE 2 CHAP 3 TOTAL 1:01:58 ▶
➡ ◯ 1/3 ▭ 1/3 🎥 1/1
英语

4 在弹跳窗中选择所需的项目。

▲ ▼

1 TITLE 2 CHAP 3 TOTAL 1:01:58 ▶
➡ ◯ 1/3 ▭ 2/3 🎥 1/1
法语

5 完成设定。

ENTER   弹跳窗消失。

想要清除屏幕条窗时

ON SCREEN
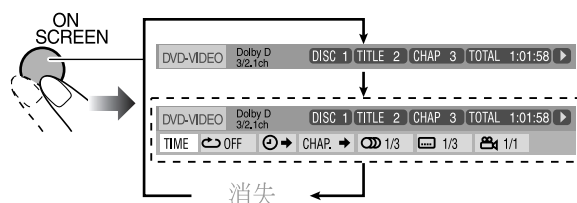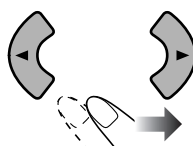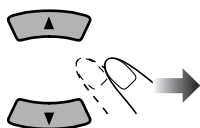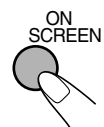
切换时间信息

您可以切换屏幕条窗和主机显示窗中的时间信息。

1 显示带有下拉菜单的屏幕条窗。

| DVD-VIDEO | Dolby D 3/2.1ch | DISC 1 | TITLE 2 | CHAP 3 | TOTAL 1:01:58 ▶ |
| TIME | ⟳ OFF | ⏲ ➡ | CHAP. ➡ | ⟳ 1/3 | ⟲ 1/ 3 | 🎥 1/1 |

2 确保选择 (点亮) 的是 TIME 。

3 切换时间信息。

ENTER

TOTAL 1:01:58 → T.REM 0:35:24
REM 0:11:23 ← TIME 0:25:31
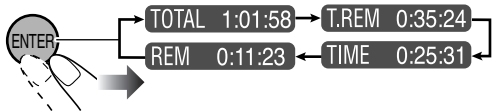
TOTAL	碟片已经播放过的时间。
T.REM	碟片上剩余的播放时间。
TIME＊	当前的章节／曲目已经播放过的时间。
REM＊	当前的章节／曲目上剩余的播放时间。

＊对应 DVD-VR 不起作用。

想要清除屏幕条窗时

ON
SCREEN

重复播放

• 另请参阅第 21 页。

1 在播放碟片 (不带 PBC 功能的 SVCD/VCD) 的过程中，显示带有下拉菜单的屏幕条窗。
• DVD 视频除外：可以在播放开始前选择重复播放。

2 选择 ⟳ 。

3 显示弹跳窗。

DVD-VIDEO	Dolby D 3/2.1ch	DISC 1	TITLE 2	CHAP 3	TOTAL 1:01:58 ▶
TIME	⟳ OFF	⏲ ➡	CHAP. ➡	⟳ 1/3	⟲ 1/ 3	🎥 1/1
	断

4 选择所需的重复模式。

全曲	重复播放所有的碟片或所有编排曲目。
A-B	重复播放所需的部位 (参阅下一页)。
标题	重复播放当前的标题。
组	重复播放当前的组。
碟片	重复播放碟片 (DVD 除外)。
章节	重复播放当前的章节。
轨迹 ＊	重复播放当前的曲目。
PG	重复播放当前的标题 (仅对应 DVD-VR)。另请参阅第 28 页。
PL	重复播放当前的播放清单 (仅对应 DVD-VR)。另请参阅第 28 页。
断	取消重复播放模式。

＊在进行程序播放或随机播放的过程中，"步进"字样会出现。

5 完成设定。

弹跳窗消失。

ENTER

24

A-B 重复

1 在播放的过程中，显示带有下拉菜单的屏幕条窗。

2 选择 $\boxed{\circlearrowleft}$ 。

3 显示弹跳窗。

DVD-VIDEO	Dolby D 3/2.1ch	DISC 1 TITLE 2 CHAP 3 TOTAL 1:01:58 ▶

TIME ⟳ OFF ⊙➡ CHAP. ➡ ⏺ 1/3 ▭ 1/ 3 🎬 1/1

断

4 选择 "A-B"。

DVD-VIDEO	Dolby D 3/2.1ch	DISC 1 TITLE 2 CHAP 3 TOTAL 1:01:58 ▶

TIME ⟳ OFF ⊙➡ CHAP. ➡ ⏺ 1/3 ▭ 1/ 3 🎬 1/1

A–B

5 选择开始点（A）。

ENTER

DVD-VIDEO	Dolby D 3/2.1ch	DISC 1 TITLE 2 (

TIME ⟳ A- ⊙➡ CHAP. ➡ ⏺ 1/3

• 选择开始点（A）后，可以使用 ►► 键搜索结束点。

6 选择结束点（B）。

ENTER

A-B 重复播放开始。被选的部分反复播放。

想要取消 **A-B 重复**，重复步骤 **1** 至 **3**，并在步骤 **4** 中选择 "断"。

想要清除屏幕条窗时

ON SCREEN
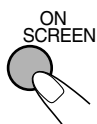
时间搜索

您可以用指定播放开始后经过多长时间的方法让播放直接移到某一指定点。

1 在播放（不带 **PBC** 功能的 **SVCD/VCD**）的过程中，显示带有下拉菜单的屏幕条窗。

• DVD 除外：可以在播放开始之前使用时间搜索功能。

2 选择 $\boxed{\odot\rightarrow}$ 。

3 显示弹跳窗。

DVD-VIDEO	Dolby D 3/2.1ch	DISC 1 TITLE 2 CHAP 3 TOTAL 1:01:58 ▶

TIME ⟳ OFF ⊙➡ CHAP. ➡ ⏺ 1/3 ▭ 1/ 3 🎬 1/1

TIME _:__:__

4 输入时间。

您可以用小时／分钟／秒为单位来指定时间。

① ② ③
④ ⑤ ⑥
⑦ ⑧ ⑨
⑩ ⓪ (+10)
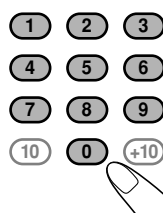
例：
想要移到 1（小时）：02（分）：00（秒）处时，按 1，0，2，0，然后按 0。

想要移到 54（分）：00（秒）处时，按 0，5，4，0，然后按 0。

• 要求必须输入小时数（即使是 "0" 小时），但不需要输入末尾的零（上述例子当中最后的两位数字）。

• **想要修正误输入时**，按光标 ◄ 删除最后输入的数字。

5 完成设定。

ENTER

本机从指定的时间处起开始进行播放。

想要清除屏幕条窗时

ON SCREEN

章节／曲目搜索

您可以搜索想要播放的项目号码。
对应 DVD 视频 /DVD-VR：章节
对应 DVD 音频：曲目

1 在播放的过程中，显示带有下拉菜单的屏幕条窗。

2 选择 `CHAP.➜` 或 `TRACK➜` 。

3 显示弹跳窗。

| DVD-VIDEO | Dolby D 3/2.1ch | DISC 1 | TITLE 2 | CHAP 3 | TOTAL 1:01:58 ▶ |

| TIME | ⟳ OFF | ⏱➜ | CHAP. ➜ | ⟐ 1/3 | ▭ 1/ 3 | 📹 1/1 |

CHAPTER _

4 输入所需的章节／曲目号码。

(1) (2) (3)
(4) (5) (6)
(7) (8) (9)
(10) (0) (+10)
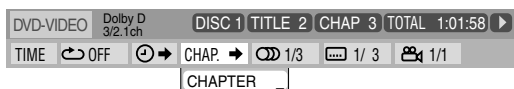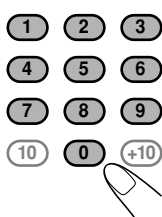
例：
想要选择章节／曲目 5，按 5。
想要选择章节／曲目 15，按 1，
然后按 5。
想要选择章节／曲目 30，按 3，
然后按 0。

• **想要修正误输入时**，按 10 数字键，直到所需的号码在弹
  跳窗中出现。

5 完成设定。

ENTER

本机开始播放搜索到的章节或曲目。

想要清除屏幕条窗时

ON
SCREEN

在控制屏幕上进行操作 *Remote ONLY* »» ● ● ● `INFO`

对应 DVD-VR/MP3/WMA/JPEG：您可以通过控制屏搜索
并播放想要播放的项目。

以 DVD-VR 格式录制的 DVD-RW/RAM 的控制屏

想让原始程序 (PG) 或播放清单 (PL) 显示时，控制屏会
叠加到电视机屏幕上。
想要选择播放类型时

想要选择原始程序时：	想要选择播放清单时：
TOP MENU/PG	MENU/PL

当选择原始程序时。

ORIGINAL PROGRAM

No	Date	Ch	Time	Title
1	25/04/04	4ch	19:00	JVC DVD World 2004
2	17/05/04	8ch	10:30	
3	22/05/04	8ch	17:00	Music Festival
4	26/05/04	L-1	13:19	children 001
5	20/06/04	4ch	22:00	
6	25/06/04	L-1	8:23	children 002

① ② ③ ④ ⑤ ⑥

当选择播放清单时。

PLAY LIST

No	Date	Chap	Length	Title
1	25/05/04	001	1:03:16	My JVC World
2	17/06/04	005	1:35:25	
3	20/06/04	003	0:10:23	Favorite music
4	25/06/04	001	0:07:19	children001-002

① ⑦ ⑧ ⑨ ⑤ ⑥

① 标题／播放清单号码
② 录制日期
③ 录制源 (电视台，录制设备的输入端子等)
④ 录制的开始时间
⑤ 节目／播放清单的标题 *
⑥ 点亮的项目条 (当前选取)
⑦ 创建播放清单的日期
⑧ 章节号码
⑨ 播放时间

* 由于录音设备的不同，原始程序或播放清单的标题可能不显
  示。

想要清除 DVD-VR 控制屏时，按 ENTER 键。

MP3/WMA/JPEG 碟片的控制屏

置入 MP3，WMA 或 JPEG 碟片时，控制屏自动出现在电视机屏幕上。

例：当装载的是 MP3 碟片时。

⑥
⑦

| FILE | (REPEAT TRACK) (Time : 00:00:14) ►► | ⑧ |

① Group : (2 / 3)   Track : (5 / 14 (Total 41)) ⑨

② Blue
   Red
③ Green

④ Track Information

⑤ Title
   Rain
   Artist
   Album

Cloudy.mp3
Fair.mp3
Fog.mp3
Hail.mp3
Indian summer.mp3
Rain.mp3   ⑩
Shower.mp3   ⑪
Snow.mp3
Thunder.mp3
Typhoon.mp3
Wind.mp3
Winter sky.mp3
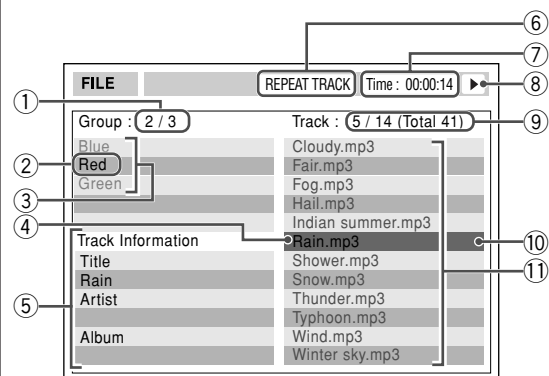
① 当前的组号／组总数
② 当前的组
③ 组清单
④ 当前的曲目
⑤ 曲目信息 (ID3 标签版本 1.0：仅对应 MP3/WMA)
⑥ 重复播放的设定
⑦ 当前曲目已经播放过的时间
  （仅对应 MP3/WMA）
⑧ 操作模式图标
⑨ 当前的曲号／当前组里的曲目总数(装载的碟片上的曲目总数)
⑩ 点亮的项目条
⑪ 曲目清单

• 如果一张碟片上录有两种类型的文件 （MP3/WMA 文件及 JPEG 文件），请选择想要播放的文件类型（参阅第 36 页）。

如何在组清单和曲目清单之间移动亮 （绿色）条 （对应 MP3/WMA/JPEG ）：
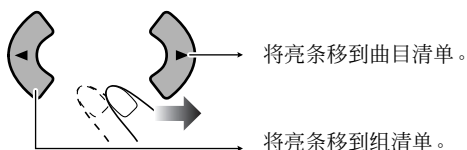
将亮条移到曲目清单。

将亮条移到组清单。

如何选择清单上的项目：
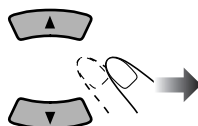
将亮条移到所需的项目。
• 如果在播放 DVD-VR/MP3/WMA 碟片的过程中移动亮条，被选的曲目会自动开始播放。

如何开始播放

对应 DVD-VR/MP3/WMA：	
ENTER	被选章节／曲目开始播放。 • 按 DVD/CD ► 键也可以让播放开始。

对应 JPEG：	
ENTER	被选的曲目 （静止图像）开始播放，直到您将其换掉。
DVD/CD ►	开始幻灯式播放。 每个曲目 （静止图像）在屏幕上显示数秒钟，然后一个接一个地往下播放。

• JPEG 曲目的播放一经开始，控制屏便会消失。
• 想要取消幻灯式播放而播放当前的静止图像时，按 II 键。

如何停止播放
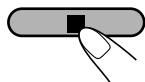
想要重复播放 **DVD-VR** 的标题／播放清单时
在播放的过程中或播放开始前 ...
对应原始程序

REPEAT → REPEAT 1 → REPEAT → REPEAT 1 DISC
(↻CHAP) (↻PG) (↻DISC)

取消 ← REPEAT ALL DISC
(↻OFF) (↻ALL)

对应播放清单

REPEAT → REPEAT 1 → REPEAT
(↻CHAP) (↻PL)

取消 ← REPEAT ALL DISC
(↻OFF) (↻ALL)
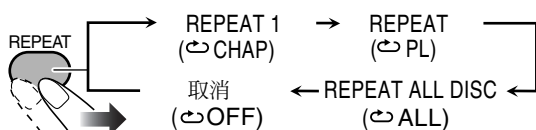
REPEAT 1*	重复播放当前的章节。
REPEAT*	重复播放当前的标题／播放清单。
REPEAT 1 DISC*	重复播放当前碟片的所有标题。
REPEAT ALL DISC	重复播放所有置入的碟片。

*播放开始前不适用。

如何为 **JPEG** 重复进行幻灯式播放

在播放的过程中或播放开始前 ...

REPEAT → REPEAT → REPEAT 1 DISC
(↻GROUP) (↻DISC)

取消 ← REPEAT ALL DISC
(↻OFF) (↻ALL)

REPEAT	重复播放当前的组。
REPEAT 1 DISC	重复播放当前碟片中的所有文件。
REPEAT ALL DISC	重复播放所有置入的碟片。

• 关于重复播放 MP3/WMA 之说明，参阅第 21 和 24 页。

如何放大静止图像（对应 **JPEG**）

1 在播放暂停状态下 ...
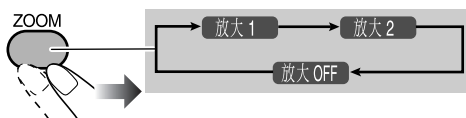
ZOOM
放大 1 → 放大 2
放大 OFF

随着数字增大，表示放大倍率也在增大。

2 移动放大部位。
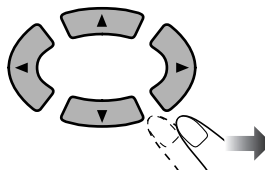
想要取消放大时，反复按 ZOOM 键，直到 "放大 OFF" 字样在电视屏幕上出现。

录音的操作

主机

FM/AM
DVD/CD
TAPE-A /
TAPE-B
◄◄
▮▮
DISC 1–5 ►
■
DISC REC
START
REVERSE
MODE
REC
START/STOP
DUBBING
A 舱
B 舱
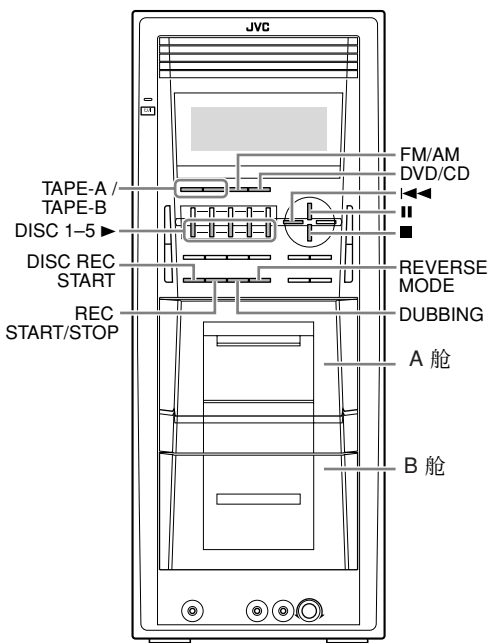
重要说明
未经版权所有者同意而擅自复录或播放版权产品可能会构
成非法行为。

用磁带录音 ● ● ● ● ● ● ● INFO

可以使用 I 型磁带进行录音。
• 关于如何播放磁带，参阅第 11 页。

1 在 B 舱内插入一盒可以录音的盒式磁带。

按　　　　　　插入　　　　　关闭

2 在显示屏上确认磁带的走带方向以及转向模式的设定状态。

转向模式指示灯　　　　走带方向指示灯

当前的播放源

如何变更走带方向

TAPE-B　►（播放正面）　◄（播放反面）

根据需要变更转向模式

REVERSE
MODE
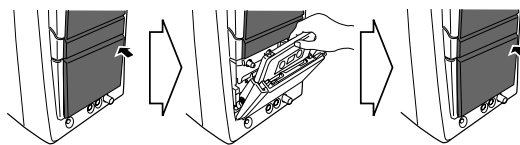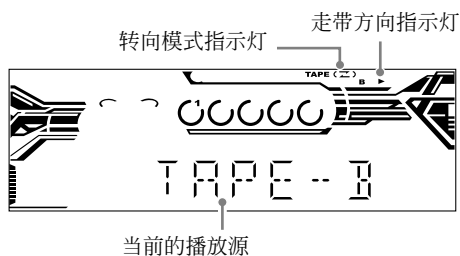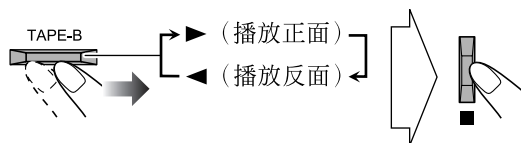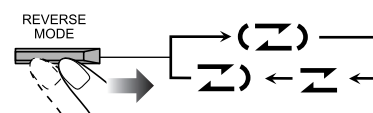
乙) ((乙))	想要录双面时选此项。 • 如果使用转向模式，请从正面 （►）起开始录音。
乙	只想录单面时选此项。

3 开始播放播放源— "FM"，"AM"，"DVD/CD"，
"TAPE-A" 或 "AUX"。

- 在复录碟片时，还可以使用 "同步复录碟片" 功能（参阅右栏）。
- 在从 A 舱复录时，还可以使用 "复制" 功能（参阅下栏）。

4 开始录音。

REC
START/STOP

如何停止录音

REC
START/STOP   或

复制磁带

Main Unit
ONLY

1 将播放源切换成 **TAPE**。

TAPE-A   TAPE-B
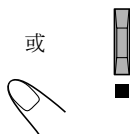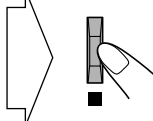
2 在 **A** 舱内插入播放源用磁带，在 **B** 舱内插入可以录音的磁带。

3 在显示屏上确认磁带的走带方向以及转向模式的设定状态。
参阅第 29 页 "用磁带录音" 里的步骤 **2**。

4 开始复制。

DUBBING

- 只要其中一个舱中的磁带结束播放或录音，两个卡式座便会同时停止运转。

如何停止复制

同步复录碟片

Main Unit
ONLY

INFO

您可以令碟片播放和磁带录音同时开始并同时结束。

1 装载一张碟片并插入一盒可以录音的盒式磁带。

2 在显示屏上确认磁带的走带方向以及转向模式的设定状态。
- 参阅第 29 页 "用磁带录音" 里的步骤 **2**。

3 选择想要复录的碟片号码。

DISC 1   DISC 2   DISC 3   DISC 4   DISC 5
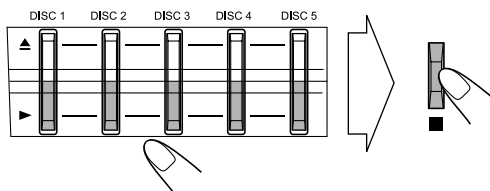
复录碟片上所需的曲目：
您可以根据喜好编排曲目的录音顺序。
- 选择程序播放模式（并编排程序；参阅第 19 页），且不要开始播放。

4 开始录音。

DISC REC
START

碟片播放且从第一首曲目开始复录。
- 本机会在录到磁带上的各曲目之间自动留出 4 秒钟的空白。

- 当碟片播放亦或录音结束时，视盘机和卡式座会同时停止运转。

如何只复录您喜好的曲目—单曲复录
您可以在聆听碟片（DVD 视频除外）的过程中指定复录在磁带上的曲目。
当您想复录在磁带上的曲目正在播放时 ...

DISC REC
START

视盘机返回到曲目的开始处并将曲目复录在磁带上。复录完毕后，视盘机和卡式座自动停止。

如何在复录的过程中取消复录

REC
START/STOP   或

欣赏卡拉 OK

遥控器

KARAOKE
SCORING

播放源键

AUDIO VOL +/−
■

▲ / ▼

10 数字键

V.MASKING
ECHO
MIC MIX
SET
CANCEL

KEY #/♭
RESERVE
+ / −
SETTING

主机

JVC

播放源键

VOLUME +/−

KARAOKE
SCORING
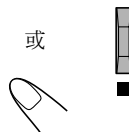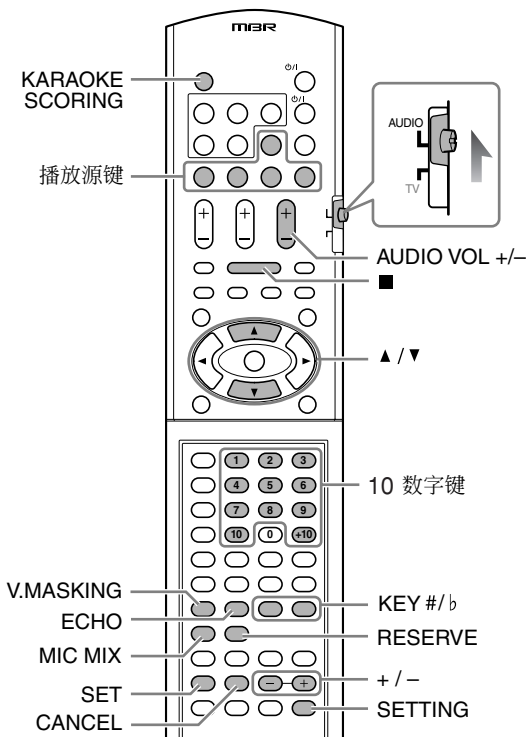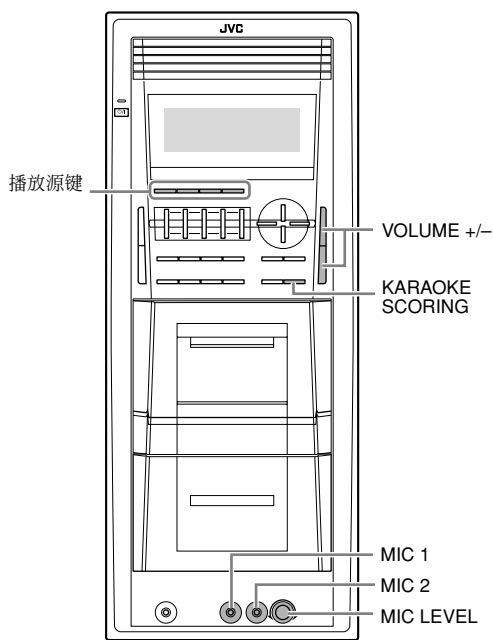
MIC 1
MIC 2
MIC LEVEL

本章节描述的功能对应 DVD 音频 /DVD-VR 不起作用。

重要事项
• 在连接或卸下麦克风时，请务必将 MIC LEVEL 设定在 MIN。
• MIC LEVEL 的调整结果对连接在 MIC 1 和 MIC 2 插孔的两只麦克风均有效。

STOP! 在不使用的时候**切勿**让麦克风一直保持连接状态。

跟随唱 (卡拉 OK) ● ● ● ● ● ● ● ●

使用两只麦克风您便可以欣赏跟随唱 （卡拉 OK）。
• 按 REC START/STOP 键，您可以复录跟随唱。

1 将 **MIC LEVEL** 转到 **MIN** 。
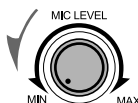
MIC LEVEL
MIN   MAX

2 将麦克风 （不附带）连接到 **MIC 1 和／或 MIC 2** 插孔。

3 启动麦克风混频模式。

MIC MIX

MIC MIX
MIC OFF
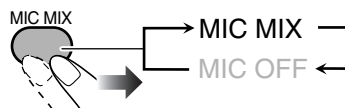
4 开始播放播放源— "**FM**" ， "**AM**" ， "**DVD/CD**" ， "**TAPE**" 或 "**AUX**" 。
   • 对应卡拉 **OK SVCD/VCD**：选择需要的音频声道。参阅第 16 页的 "选择音频曲目" 。

5 通过麦克风唱。

6 调整 **MIC LEVEL** 和 **VOLUME** 。

MIC LEVEL
MIN   MAX

+
VOLUME
−
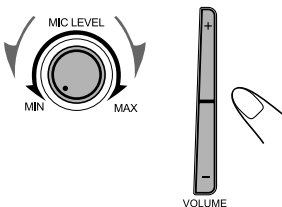
想要退出麦克风混频模式时，在步骤 **3** 中选择 "MIC OFF" 。

想要只使用麦克风时，在步骤 **4** 中选择 "DVD/CD" ， 但不要开始播放。

31

如何在您的声音里增添回音效果 `Remote ONLY` »)

麦克风混频模式启动时 ...

ECHO

→ ECHO 1 → ECHO 2 → ECHO 3 ┐
└─ ECHO 0 ← ECHO 4 ←┘
（取消）
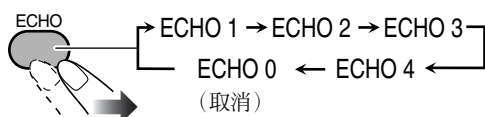
• 随着数字增大，表示回音水平也在增高。

如何调整音调（仅限于碟片播放） `Remote ONLY` »)

在播放的过程中 ...

KEY ♭   KEY #

→ 提高音调 （最高至 +6）。

→ 降低音调 （最低至 –6）。

如何取消音调控制

KEY ♭   KEY #

–6 ◄···► 0 ◄···► +6

K E Y C O N   0

在显示屏上

KEYCON
▲
0
▼

在电视机屏幕上
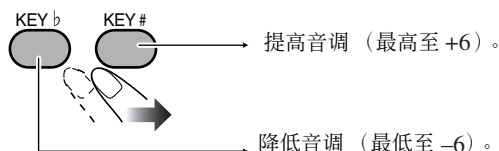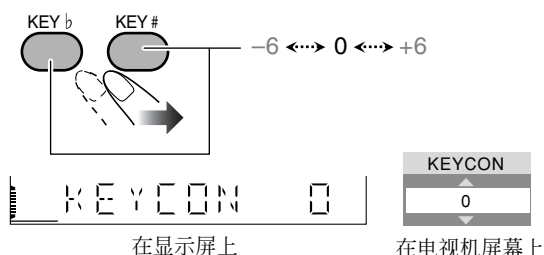
• 关闭麦克风混频模式或选择其它曲目或碟片也会取消音调控制。

消除原唱—原唱掩蔽 `Remote ONLY` ») ● ● ● `INFO`

如果您想消除 （任何播放源，除音频 DVD/DVD-VR 以外的）原唱，您可以使用原唱掩蔽模式。

V. MASKING
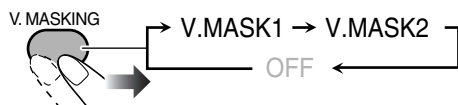
→ V.MASK1 → V.MASK2 ┐
└──── OFF ←────┘

V.MASK1	取消立体声播放源上的原唱。
V.MASK2	取消右音频声道。

想要通过麦克风唱，启动麦克风混频模式 （按照第 31 页的步骤 **1** 至 **3** 以及步骤 **6**）。

想要退出原唱掩蔽模式时，选择 "OFF"。

给您的卡拉 OK 技巧打分 ● ● ● ● ● `INFO`

本机可以将您的跟随唱与播放碟片上的原声相比，给您的卡拉 OK 技巧打分。

• 本功能仅适用于碟片播放。
• 建议按如下说明选择声轨 （参阅第 16 页）：
　对应 **DVD 视频**：选择带原声的声轨。
　对应 **SVCD/VCD**：选择 "ST"，"ST1" 或 "ST2"。
• 建议歌唱至少**一分半钟**，使打分功能正常进行。

1 选择 "DVD/CD" 作为播放源。

DVD/CD

▶ ➡ ■

2 启动打分功能。

KARAOKE
SCORING

KARAOKE SCORE BOARD

SINGING
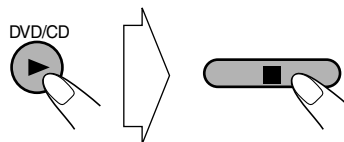
在电视屏幕上

第一首曲目开始播放，且麦克风混频模式自动启动 （保留上一次对回音所作的调整）。

3 通过麦克风唱。

参阅第 31 页的步骤 **1**，步骤 **2** 以及步骤 **6**。
• 如果需要，调整回音水平和音调 （参阅左栏）。

歌曲结束后，播放停止且得分栏出现在电视屏幕上，同时伴有奏乐声。

例：　　　　　　　　　　　　您的得分

KARAOKE SCORE BOARD

85 POINTS

Very good!!

1	ST	93 POINTS
2	ND	85 POINTS
3	RD	73 POINTS

最近的前 3 名
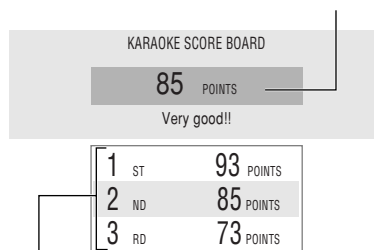
想要在中途停止播放歌曲，按 ■ 键。

打分功能不被取消，且如果播放时间大于一分钟，可以为您的跟随唱打分。

想要取消打分功能时，按 KARAOKE SCORING 键。电视上的显示屏画面消失。（麦克风混频模式仍保持启动状态。）

如何打开／关闭奏乐声 _{Remote ONLY} »》

1 进入奏乐声设定模式。

SETTING ──→ LR BALANCE ──┐
        └── FANFARE ←──┘   SET

2 选择奏乐声设定。

L − BALANCE − R
− + ──→ ON ──┐
           └── OFF ←──┘
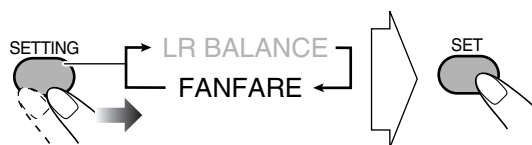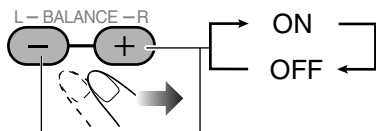
预定卡拉 OK 歌曲 _{Remote ONLY} »》 ● ● ● ● INFO
─卡拉 OK 程序播放 ● ● ● ● ● ● ● ●

您可以决定视盘机上标题或曲目的播放顺序。最多可以编排 12 个程序项目。

1 将播放源切换成 "DVD/CD"。

DVD/CD

2 启动卡拉 OK 程序播放模式。

RESERVE

No	Disc	Gr/Tt	Tr/Chap
1			
2			
3			
4			
5			
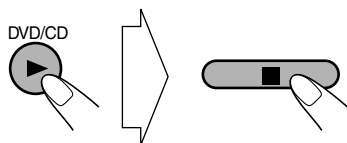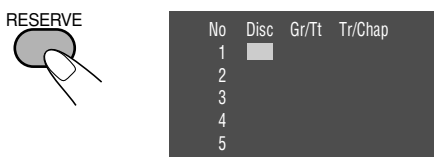
在电视屏幕上

• 在此模式下 PROGRAM 指示灯会闪烁。

3 选择想用于卡拉 OK 程序播放的歌曲。
依照下列顺序按数字键选择歌曲。

① 选择碟片。
② 选择标题／组。
③ 选择章节／曲目。

(1) (2) (3)
(4) (5) (6)
(7) (8) (9)
(10) (0) (+10)
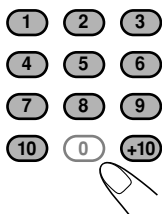
例：
想要选择号码 5，按 5。
想要选择号码 15，按 +10，
然后按 5。
想要选择号码 30，按 +10，
+10，然后按 10。

4 启动麦克风混频模式。

MIC MIX ──→ MIC MIX ──┐
         └── MIC OFF ←──┘
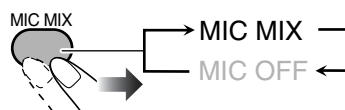
5 开始播放。

想要开始卡拉 OK 程序播放时：	想要开始带有打分功能的卡拉 OK 程序播放时：
DVD/CD	KARAOKE SCORING

以程序编排的顺序开始播放。

• 对应带有打分功能的卡拉 OK 程序播放：每次歌曲结束时，播放停止且得分栏出现。按两次 KARAOKE SCORING 键开始播放下一首曲目。

如何确认编排的内容

RESERVE
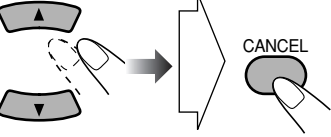
卡拉 OK 预定画面出现。

• 在打分功能使用的过程中，不能显示卡拉 OK 预定画面。

如何修改程序
当卡拉 OK 预定画面在电视机上出现时 ...

想要清除不想要的项目时：
▲ ▼ ──→ CANCEL
想要清除整个程序时，重复这一步骤。
想要在程序里添加项目时：
重复操作步骤 **3**。

定时器的操作

遥控器

Ⅰ AUDIO

CANCEL
SET
CLOCK/
TIMER

+ / −
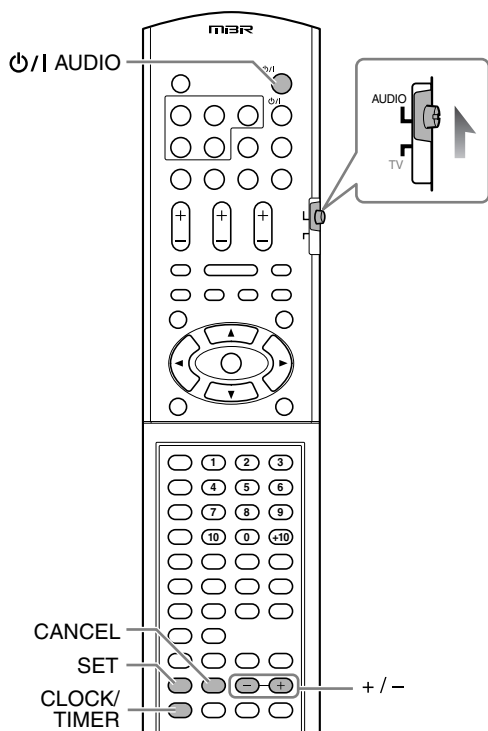
设定定时器 Remote ONLY ⟩⟩ ⬤⬤⬤⬤⬤⬤ INFO

通过使用日常定时器，您可以被自己喜欢的歌声唤醒。而通过使用录音定时器，您可以让收音机节目自动录到磁带上。

- 您不能同时启动日常定时器和录音定时器。（启动任意一个定时器便会关闭另一个定时器。）
- 在操作的过程中想要修正误输入时，按 CANCEL 键。您可以退回到上一步骤。

1 选择一种定时器设定模式—ON 对应日常定时器或录音定时器。

录音定时器　　　　　　日常定时器
CLOCK/TIMER → REC TIMER → ON → DAILYTIMER
取消 ← 时钟设定 ← ON

ON 0:00

2 根据所需进行定时器设定。

L — BALANCE — R
− +

SET
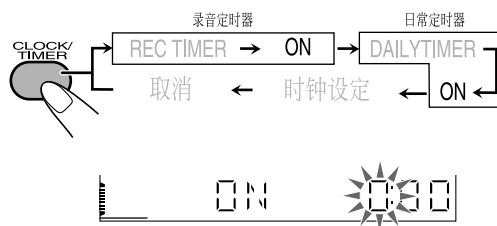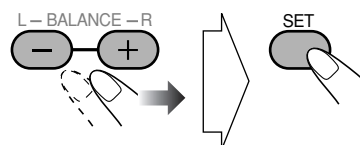
按下列顺序重复进行程序操作，直到完成设定：

① 设定定时器启动时间的小时值，然后分钟值。
② 设定定时器关闭时间的小时值，然后分钟值。
③ 对应录音定时器：选择播放源— "TUNER-FM" 或 "TUNER-AM"。
　对应日常定时器：选择播放源— "TUNER-FM"，"TUNER-AM"，"DISC"，"TAPE-A"，"TAPE-B" 或 "AUX IN"。

TUNER -- FM

例：当选择 "TUNER-FM" 时。

④ 选择为 "TUNER-FM" 和 "TUNER-AM" 预设的电台，或者选择碟片，组，然后对应 "DISC" 选择曲目号码。
⑤ 选择音量水平。
　　• 您可以选择音量水平（"VOLUME 0" – "VOLUME 30" 和 "VOLUME --"）。如果选择 "VOLUME --"，音量将被设定成主机关机当时所用的音量。

中

文

3 如果是在本机启动状态下设定的定时器，须关闭本机（使本机进入待机状态）。

少/I AUDIO

日常定时器如何实际工作

日常定时器一经设定，定时器（●）指示灯 DAILY 指示灯便会在显示屏上点亮。如果不去手动关闭定时器（参阅下栏），该日常定时器每天都会在相同的时间启动。

• 只有当本机关闭（进入待机状态）时，日常定时器才开始工作。

当启动时间到来时

本机自动启动，调收指定的电台或者开始播放指定的播放源，并将音量设定成预设水平。

当关闭时间到来时

本机会停止播放并自动关机（进入待机状态）。

• 定时器的设定内容会保存在记忆体中，直到您将其改变。

录音定时器如何实际工作

录音定时器一经设定，定时器（●）指示灯和 REC 指示灯便会在显示屏上点亮。录音定时器只工作一次。

• 只有当本机关闭（进入待机状态）时，录音定时器才开始工作。

当启动时间到来时

本机自动启动，调收指定的电台，将音量设定成预设水平，并开始录音。

当关闭时间到来时

本机停止录音并自动关机（进入待机状态）。

• 定时器的设定内容会保存在记忆体中，直到您将其改变。

在完成设定后如何关闭定时器

在设定后您可以将定时器关闭。

• 因为日常定时器每天都在相同的时间启动，在某些特殊的时候您可能需要将其取消。

1 选择想要取消的定时器（**REC TIMER** 或 **DAILYTIMER**）。

CLOCK/ → 录音定时器 → 日常定时器
TIMER   REC TIMER → ON   DAILYTIMER
         取消 ← 时钟设定   ON

2 关闭所选的定时器。

CANCEL

• 定时器（●）指示灯熄灭。

想要重新启动定时器时，重复步骤 *1* 并在步骤 *2* 中按 SET 键。

定时器优先权 ●●●●●●●●●●

如果睡眠定时器和录音定时器／日常定时器的设定重叠，定时器按下述规则工作。

• 睡眠定时器（参阅第 15 页）比录音定时器和日常定时器有优先权。

取消
6:00   6:30   7:00   7:30
录音定时器／日常定时器
睡眠定时器
本机关闭。

• 在此情况下，录音定时器／日常定时器不起作用。

复录／播放
取消
6:00   6:30   7:00   7:30
录音定时器／日常定时器
睡眠定时器
本机关闭。
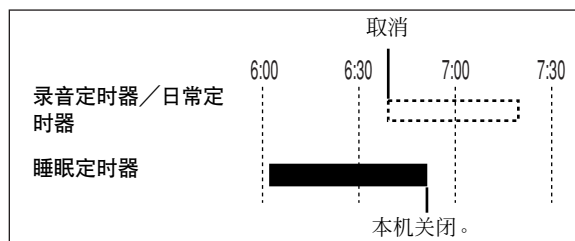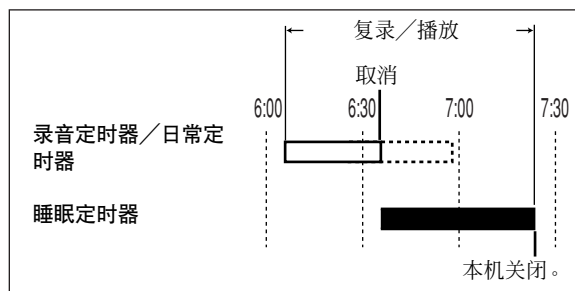
• 在此情况下，录音定时器／日常定时器被取消。（如果睡眠定时器先于录音定时器设定的时间关闭本机，睡眠定时器关闭本机时复录停止。）

35

设置菜单操作

遥控器

◄/►/▲/▼/
ENTER
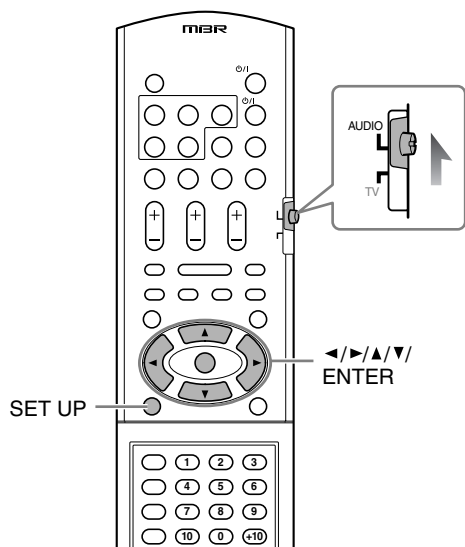
SET UP

初始设定 ●●●●●●●●● INFO

在播放过程中，菜单中某些项目不能改变。

1 按 **SET UP** 键。

语言	
菜单语言	中国语
声音语言	中国语
字幕语言	中国语
画面表示语言	中国语
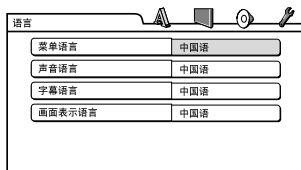
2 按 ◄（或 ►）键选择菜单。

3 按 ▲（或 ▼）键移动选择项目。

4 按 **ENTER** 键。

5 按 ▲（或 ▼）键选择选项，然后按 **ENTER** 键。

想要清除预置显示屏
按 SET UP 键。

Ⓐ 语言菜单

项目	内容
菜单语言	您可以选择 DVD 视频的初始菜单语言 （参阅第 43 页）。
声音语言	您可以选择 DVD 视频的初始声音语言 （参阅第 43 页）。
字幕语言	您可以选择 DVD 视频的初始字幕语言 （参阅第 43 页）。
画面表示语言	您可以选择 "英语"，"中国语" 或 "西班牙语" 作为画面表示语言。

▱ 图像菜单

项目	内容
屏幕类型 **16:9**　**4:3 信箱屏幕** **4:3 全景扫描**	播放对应宽银幕电视机录制的 DVD 视频碟片时，您可以选择与您的电视机相符的屏幕类型。 **16:9／16:9 多制式 （宽银幕转换式）**：对应宽银幕 （16:9）电视机。 **4:3 信箱屏幕／4:3 多制式信箱屏幕 （信箱转换）**：对应传统 （4:3）电视机。以适合电视机屏幕宽度显示宽银幕图象且保持纵横比不变。 **4:3 全景扫描／4:3 多制式全景扫描 （全景扫描转换）**：对应传统 （4:3）电视机。图象放大纵向填充屏幕且图像的左右边缘被切掉。 • 通过选择 "多制式" 模式，本机自动切换颜色制式以适合置入碟片的颜色制式。关于颜色制式的设定，参阅第 14 页。
图像来源	通过选择碟片内容的图像来源种类，您可以获得最理想的图像品质。 **自动**：标准情况下选此项。本机会根据碟片信息识别当前碟片里的图像种类 （电影或视频）。 **电影**：对应电影类碟片时选此项。 **视频**：对应视频类碟片时选此项。
映像储存器	您可以将映像储存功能设定为**通**或**断**。 **通**：当大约 5 分钟未进行操作时，电视机上的屏幕显示会变暗。 **断**：想要取消映像储存器时选此项。
文件类型	您可以选择播放的文件类型。 **音频**：想要播放 MP3/WMA 文件时选此项。 **静止图像**：想要播放 JPEG 文件时选此项。

音频菜单

项目	内容
数码音频输出	使用本机后部的 OPTICAL DIGITAL OUTPUT （光纤数码输出）端子时正确设置此项。 **PCM**：当连接只能解码线性 PCM 信号的音频设备时。 **DOLBY DIGITAL/PCM**：当连接杜比数码解码器或带有内置杜比数码解码器的功率放大器时。 **光束 /PCM**：当连接 DTS 解码器或带有内置 DTS 解码器时。
下行混合	根据您的数码音频连接，适当地设定本项，播放 DVD 视频上的多声道音频环绕音响。 • 此项设定仅对应音频输出在 "数码音频输出" 设定为 "PCM" 时有效。 **杜比环绕**：当连接环绕声解码器时选择此项。 **立体声**：当连接立体声接收机， MD 播放机，电视机等时选择此项。
动态范围控制	在中低音量水平聆听以杜比数码格式录制的 DVD 视频设定此项。 **自动**：您可以欣赏力度强劲的音响。 **通**：如果 DVD 视频的声音水平低于电视节目的声音水平，选择此项使声音在较低的音量水平下更 为清晰。

其他菜单

项目	内容
记忆播放	您可以选择记忆播放功能。 **通**：如果碟片仍在碟片托盘中，本机从播放停止处继续播放。 **断**：记忆播放功能关闭。
屏幕指南	利用此菜单您可以启动或关闭屏幕指南。 **通**：启动屏幕指南。 **断**：关闭屏幕指南。

操作电视机

遥控器

Ø/I TV
TV/VIDEO

TV VOL +/–

CHANNEL +/–

ENTER

10 数字键
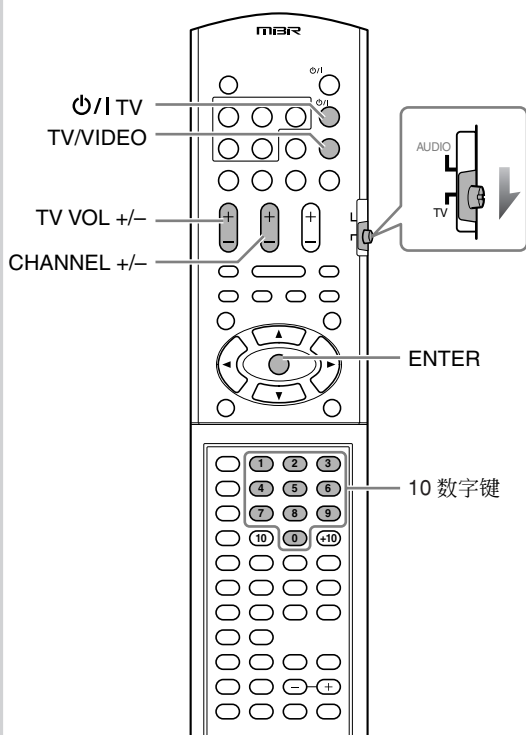
厂商代码	
厂商	代码
JVC	01
Hitachi	10
Magnavox	02
Mitsubishi	03
Panasonic	04,11
Philips	15
RCA	05
Samsung	12
Sanyo	13, 14
Sharp	06
Sony	07
Toshiba	08
Zenith	09

操作电视机 ●●●●●●●●●

您可以使用本机的遥控器操作 JVC 牌或其他厂家的电视机。

1 将 **AUDIO/TV** 选择器滑动至 "**TV**"。
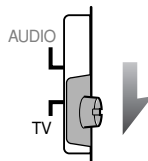
2 按住此键不要松开，直到完成下面步骤的操作。

3
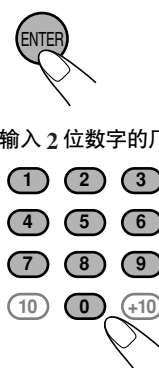
4 输入 **2** 位数字的厂商代码。
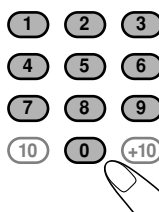
5 松开 Ø/I **TV** 键。

如何操作电视机

想要启动或关闭电视机时：	想要选择输入模式（**TV** 或 **VIDEO**）时：	想要调整电视机音量时：
Ø/I TV	TV/VIDEO	TV VOL

想要选择电视频道时：		
（数字键）	或	CHANNEL

附加信息

进一步掌握本机的性能 ●●●●●●●

简介（参阅第 1 至 2 页）

可以播放的碟片类型：

• **关于音频格式**

– **线性 PCM**：是非压缩式数码音频格式，该格式与 CD 和大多数演播室主盘所用的格式相同。

– **杜比数码**：是由杜比实验室公司开发的一种压缩式数码音频格式，该格式可以通过多频道编码方法来建立虚拟环绕声。

– **DTS（数码影院系统）**：是由数码影院系统公司开发的一种压缩式数码音频格式，该格式可以像杜比数码一样再生多频道软件。但因为其压缩率较杜比数码低，因此可提供更宽的动态范围和更好的分离效果。

• 如果您使用盒式 DVD-RAM，置入碟片前将其从盒中取出。

日常操作一播放（参阅第 7 至 11 页）

收听广播：

• 如果将一个新电台储存到一个已存有电台的号码里，原来储存在那里的电台会被清除。

• 在拔下交流电源线或者发生断电时，预设的电台将于数日内被清除。发生此种情况时，请重新预设电台。

播放碟片：

• 某些 DVD，SVCD 或 VCD 碟片的实际操作方法可能会与本手册当中讲解的方法不一样，其原因来自程序编制方式和碟片的结构，而不是本机有故障。

• 某些 DVD 音频不接受下行混合处理。当您播放这样的碟片时，"LR ONLY" 字样会在显示屏上出现，而且本机播放的是左前频道和右前频道的信号。

• 在播放以 MLP（莫瑞颠无损耗压缩；一种数据完全复原性音频压缩式，可以完全可逆地重现 PCM 信号）格式录制的 DVD 音频时，信号被解码成线性 PCM 信号，只是在显示窗中没有指示灯点亮。

• 关于 MP3/WMA 播放 ...

– MP3/WMA 碟片需要比普通 CD 更长的读出时间。（原因来自组 / 文件结构的复杂性。）

– 有些 MP3/WMA 文件不能播放并被跳过。原因来自这些文件的录制程序和录制状态。

– 在录制 MP3/WMA 碟片时，请使用 ISO 9660 Level 1 或 Level 2 作为碟片格式。

– 本机可以播放增设码为 <.mp3> 或 <.wma>（大小写字母均可）的 MP3/WMA 文件。

– 在录制每个 MP3/WMA 文件时最好使用 44.1 kHz 的抽样频率和 128 kbps 的比特率。本机不能播放以低于 64 kbps 的比特率录制的文件。

日常操作一调整声音和其他项目（参阅第 12 至 15 页）

建立个人声音模式一用户模式：

• 当拔下交流电源线或者发生断电时，用户模式的设定结果会在数日之内被清除。发生此种情况时，请重新设定用户模式。

创建 3 维声场一3 维立体声：

• 在使用头戴耳机的过程中，3 维立体声会被暂时取消。

• 3 维立体声的设定也用于 OPTICAL DIGITAL OUTPUT（光纤数码输出）端子传出的光纤数码输出信号。

切换颜色制式和扫描模式：

• 当颜色制式设定在 "PAL（PROG）" 时如果您播放 NTSC 碟片，碟片会以 "PAL 60" 制式再生，但如果电视机不支持这种制式，屏幕可能上下快速地滚动。

• 当颜色制式设定在 "NTSC（PROG）" 时如果您播放 PAL 碟片，虽然可以看到播出的图像，但会发生下述症状：

– 碟片菜单里的项目模糊不清，并且在点亮时显示的位置会发生轻度改变。

– 图像的纵宽比可能与固有纵宽比不一样。

– 图像移动得不流畅。

• 在下列情况下不能切换成扫描模式：

– 如果您的电视机不支持逐行扫描视频输入。

– 当您未使用分量视频导线将电视机与本机连接到一起时。

• 当您以逐行扫描模式播放 NTSC 碟片时，无论彩色制式设定如何本机均会输出 NTSC 信号。

设定时钟：

• 在设定时钟之前 "0:00" 字样一直在显示屏上闪烁。

• 时钟每个月可能会快出或慢出 1 到 2 分钟。此种情况发生时，请重新设定时钟。

DVD/VCD 的特殊操作（参阅第 16 至 18 页）

选择音频曲目：

• 某些 DVD 视频在播放过程中无法为其切换音频语言。

播放赠送组：

• 您不能选择赠送组里的曲目进行程序播放。

特殊的图像播放方法：
- 在进行慢动作播放的过程中听不到声音。
- 对应 DVD-VR 不能使用逐帧播放。
- 在放大播放的过程中，图像可能看起来粗糙。

高级碟片操作（参阅第 **19** 至 **21** 页）
编排播放顺序—程序播放：
- 在编排程序项目的过程中 ...
  - 如果您试图编排的项目号码在碟片上不存在 （比如碟片上只有 12 首曲目，而您却选择曲目 14），此种情况下您的输入无效。
  - 对于非当前碟片托盘中装载的 SVCD/VCD/CD，本机也会提示要求输入组号码，但在播放的过程中这些输入会被忽略。
- 您不能将程序播放模式和随机播放模式用于 DVD-VR/JPEG 碟片。
- 保留编排程序的内容直到您清除它们。
- 当 PROGRAM 指示灯点亮时，不能切换播放的碟片。（遥控器上的 DISC 1 – 5 键和主机上的 ► 键不起作用。）

在屏幕上操作碟片（参阅第 **22** 至 **28** 页）
使用屏幕条窗进行操作：
- A-B 重复：
  - 某些 DVD 不能进行 A-B 重复播放。
  - A-B 重复播放仅能在同一标题或同一曲目内进行。

在控制屏幕上进行操作：
- 对应 DVD-VR 播放 ...
  - **原始程序**：本机可以以刻录顺序播放原版图像。
  - **播放清单**：本机可以播放由刻录设备编辑的播放清单。只有当碟片有播放清单时，控制屏才会出现。
  - 记忆播放功能不适用。
  - 有关 DVD-VR 格式及播放清单的详情，请参阅录音设备的使用手册。
- 进行 JPEG 文件播放时 ...
  - 建议以 640 x 480 的分辨率来录制文件。（如果文件是以低于 640 x 480 的分辨率录制而成，则该文件显示时便要花费较长的时间。）
  - 本机可以播放基线 JPEG 文件*。不能播放逐行扫描 JPEG 文件 * 或无损耗 JPEG 文件 *。
    - * 基线 JPEG 格式： 用于数码相机，互连网等。
      逐行扫描 JPEG 格式： 用于互连网。
      无损耗 JPEG 格式： 一种旧式文件格式，现在很少使用。

- 本机可以播放增设码为 <.jpg> 或 <.jpeg> 的 JPEG 文件（字母大小写均可—大写／小写）。
- 本机可能无法正确播放用静像数码相机以外的其他装置录制的 JPEG 文件。
- 在幻灯式播放的过程中，不能使用图像放大功能。

录音的操作 （参阅第 **29** 至 **30** 页）
一般：
- 在录音的过程中无法切换播放源。
- 在盒式磁带的开头和结尾处存在一段不能录上音的先导带。因此在录碟片或收音机节目时，先将先导带部分倒过去，这样才能保证录音内容完整无缺。
- 如果未插入盒式磁带或插入的是防录磁带，"NO REC" 字样会在显示屏上出现。
- 如果选择环绕声模式 （DANCE，HALL，STADIUM—参阅第 13 页），您也可以复录其环绕声成分。（其它声音调整不影响复录水平。）

用磁带录音：
- 在使用转向模式进行录音时，首先从正面 （►）起开始录音；否则仅录完磁带的单面 （反面）后录音便会停止。

同步复录碟片：
- 录音从第一首曲目开始即使您用 ►►l/l◄◄ 键选择了曲目。想要指定某一 （几）首复录的曲目，为其编排程序 （或使用单曲复录）。
- 在录音的过程中，您不能使用碟片操作键 （除 ■ 键以外）和声音设定键 （除音量控制旋钮以外）。
- 碟片里的每项内容按其在碟片里所处的顺序或按您所编排的程序播放顺序录制到磁带上。
- 您不能同时使用同步录音模式和重复播放模式 （重复播放模式将被取消）。
- DISC REC START 键不起作用：
  - 在播放暂停的过程中。
  - 当随机播放功能启动时。
  - 在程序播放正在播放或暂停的过程中。
- 在录音的过程中当磁带的正面 （►）走到尽头时，最后一首歌曲将被重复录制到反面 （◄）的开头处。
- 在录音的过程中当磁带的反面 （◄）走到尽头时，不管整张碟片是否已经全部录完，录音均会停止。

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欣赏卡拉 OK（参阅第 31 至 33 页）

消除原唱－原唱掩蔽：

- 原声掩蔽模式可用于通过 OPTICAL DIGITAL OUTPUT（光纤数码输出）端子输出的光纤数码信号。
- 在原声掩蔽模式下播放卡拉 OK 碟片时，原声可能不被消除或音量可能降低。
- 对于某些音乐，原声掩蔽模式无法达到恰当的效果。

给您的卡拉 OK 技巧打分：

- 打分功能启动前，您可以按 ►►I/I◄◄ 键来选择曲目（DVD 视频和带 PBC 功能的 SVCD/VCD 除外）。
- 如果在打分过程中按 ►►I/I◄◄ 键，播放停止且打分功能取消（但不会跳过曲目）。
- 如果启动打分功能时，播放停止且处于记忆播放功能状态，播放将从停止处开始。
- 您也可以在播放的过程中启动打分功能。在此情况下，从启动打分功能的该点开始打分。
- 在使用打分功能的过程中，您不能使用下列按键：V.MASKING 键，MIC MIX 键，RESERVE 键和碟片操作键（►►I/I◄◄/■ 键除外）。
- 启动打分功能将取消重复播放。
- 您不能在程序播放，随机播放或录音的过程中使用打分功能。
- 关闭本机时，排名（前 3 名）将被清除。（如果进行打分的歌曲数目少于 3，"0 POINT" 字样会出现。）

预定卡拉 OK 歌曲－卡拉 OK 程序播放：

- 如果您选择装载有 DVD 音频或 DVD-VR 的碟片托盘，碟片号码被跳过。
- 如果当前碟片托盘装载了 DVD 音频或 DVD-VR，不能使用卡拉 OK 程序播放。
- 当曲目开始播放时，该曲目号码将从卡拉 OK 预定画面中清除（保留编排程序的内容直到您清除它们）。
- 当 PROGRAM 指示灯闪烁时，不能切换播放的碟片（遥控器上的 DISC 1 – 5 键和主机上的 ► 键不起作用。）

定时器的操作（参阅第 34 至 35 页）

设定定时器：

- 在设定定时器的过程中如果未指定预设的电台或曲号，当定时器启动时便会播放当前选择的电台或者最初的一首曲目。
- 当拔下交流电源线或者发生断电时，定时器会被取消。此时必须首先设定时钟，然后再重新设定定时器。
- 在录音定时器开始录音后如果录音未停止则不能变更播放源。
- 如果将 DVD 视频设定成播放源，日常定时器无法正确工作。

设置菜单操作（参阅第 36 至 37 页）

一般：

- 菜单的上下部分被切去，调整电视机的图象尺寸控制器。

语言菜单：

- 当为菜单语言，声音语言或字幕语言选择的语言未录制在碟片上时，原有的语言用作初始语言。

图像菜单－屏幕类型：

- 对于某些 DVD 视频，尽管选择的是 "4:3（多制式）全景扫描"，屏幕尺寸却可能变成 4:3 信箱屏幕。这与碟片的录制方法有关。
- 当您为纵宽比为 4:3 的图像选择 "16:9（多制式）" 时，图像会有轻微的改变，原因来自图像宽度的转换处理方式。

音频菜单－下行混合：

- 在播放 DTS 多频道软件时本设定不生效。

其他菜单－屏幕指南：

- 即使将本功能设定成 "断"，设置菜单和屏幕条窗也会显示（并被录制）。
  不管其如何设定，字幕语言和图像放大信息总会出现在显示屏上。

保养 ●●●●●●●●●●●●●●●

想要获得本机的最佳性能，须保持碟片，磁带和机器的清洁。

保养碟片

- 从盒中取出碟片时，轻按中央孔拿住边缘将其取出。
- 切勿触摸碟片的光亮面或将其弄弯。
- 碟片用后须放回盒中以防弯曲。
- 在放回盒中时小心不要划伤碟片的表面。
- 避免将碟片暴露在阳光直射，温度异常和潮湿之处。

如何清洁碟片：

用软布从中心到边缘直线擦拭碟片。

中

文

保养磁带

- 如果磁带盒中的带条松弛，可将铅笔插入到其中一个卷带筒内，通过卷绕的方法将松弛的带条卷紧。
  – 如果带条松弛，可能会拉长，扯断或卡在磁带盒里。
- 小心不要触摸磁带的表面。
- 避免将磁带存放在下列场所—有灰尘的地方，受阳光直射或放热的地方，潮湿的地方，电视机或扬声器的上面，或者靠近磁场的地方。

如何保持最佳录音状态和播放的声音质量

- 使用棉棒沾上酒精来清洁磁头，卷带轮和压带轮。
- 使用磁头去磁器 （可到电器或音响商店购买）来为磁头去磁 （在本机关机状态下）。

> **如何保护录音内容**
> 盒式磁带的背面有两个小的防抹防录片，用来防止误抹或再录。
> **想要保护录音内容时，除去这些小片。**
>
> **想再用防录磁带录音时，用胶带将小孔盖上。**
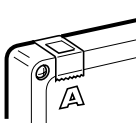
清洁本机

- 可用软布擦去脏点。如果本机脏污严重，可用布沾上以水稀释后的中性洗涤剂彻底擦拭，然后用干布擦干净。
- 因为本机可能发生质量退化，引起破损或脱漆，因此要注意下列事项：
  – **切勿**用硬布擦拭。
  – **切勿**用力擦拭。
  – **切勿**用稀释剂或苯擦拭。
  – **切勿**向其喷射挥发物如杀虫剂。
  – **切勿**让任何橡胶或塑料长时间与其接触。

故障排除 ●●●●●●●●●●●

如果您的机器出现了问题，在请求维修之前，可以从下表自行查找解决办法。

一般：

在操作完成之前调整或设定的内容突然被取消。
⇨ 因为存在操作时限。请重新进行操作。

操作无法执行。
⇨ 可能因为外界电波干扰导致内设的微处理器发生故障。可拔下交流电源线然后再插回去。

无法使用遥控器来操作本机。
⇨ 遥控器和遥感器之间的通路被障碍物挡住。
⇨ 电池电量耗尽。

听不到声音。
⇨ 扬声器接线错误或松脱。
⇨ 连接了头戴耳机。

屏幕上不出图像。
⇨ 视频接线错误或松脱。

电视屏幕上不出图像，图像不清晰或图像分成两部分。
⇨ 本机所连接的电视机不支持逐行扫描视频输入。
⇨ 选错了颜色制式 （参阅第 14 页）。

图像的左右边缘部分在屏幕上未显示出来。
⇨ 将 "屏幕类型" 选择成 "4:3 （多制式）信箱屏幕" （参阅
第 36 页）。

收音机的操作：

因噪音而导致节目听不清。
⇨ 天线接线错误或松脱。
⇨ AM 环形天线离本机太近。
⇨ FM 天线没有正确伸展和定位。

碟片的操作：

碟片无法播放。
⇨ 插入了一张区域代码不是 "3" 的碟片。（"REGION ERR" 字样会在显示屏上出现）。
⇨ 碟片被颠倒放置。放置碟片时让标签面朝上。

无法显示 MP3 碟片上的 ID3 标签。
⇨ ID3 标签有两种类型—版本 1 和版本 2。本机只能显示 ID3 标签当中的版本 1。

MP3 组和曲目无法按意愿播放。
⇨ 播放顺序是在录制碟片时决定的。取决于写入时用的应用程序。

无法播放 MP3/WMA 或 JPEG 文件。
⇨ 插入的碟片里可能同时含有两种类型的曲目 （MP3/WMA 文件和 JPEG 文件）。发生此种情况时，通过进行 "文件类型" 设定，可以只播放被选类型的文件 （参阅第 36 页）。
⇨ 您可能是在插入碟片之后才变更 "文件类型" 的设定。在此种情况下，可重新装载碟片。

碟片声音不连贯。
⇨ 碟片有划痕或脏污。

碟片播出的声音很奇怪。
⇨ 取消音调控制模式 （参阅第 32 页）。

尽管您已经选择了初始字幕语言，但显示屏上不出现字幕。
⇨ 有些 DVD 的录制程序决定不总是事先显示字幕。想要显示字幕时，须在开始播放之后按 SUB TITLE 键 （参阅第 17 页）。

声音语言与您选作初始声音语言者不一样。
⇨ 有些 DVD 的录制程序决定不总是事先使用原始语言。想要使用原始语言时，须在开始播放之后按 AUDIO 键 （参阅第 16 页）。

碟片托盘打不开或关不上。
⇨ 交流电源线未插上。
⇨ 儿童锁正在使用中。"LOCKED" 字样出现在显示屏窗口上 （参阅第 21 页）。
⇨ 程序播放正在使用中。取消程序播放 （参阅第 20 页）。

磁带的操作：

磁带舱打不开。
⇨ 在磁带播放过程中交流电源线的供电中断。启动本机。

录音的操作：

无法录音。
⇨ 盒式磁带背面的小防抹防录片被除掉。用胶布将小孔盖上。
⇨ 卡拉 OK 打分功能正在使用中。取消打分功能 （参阅第 32 页）。

卡拉 OK 的操作：

无法启动打分功能。
⇨ DVD 音频或 DVD-VR 正在播放。
⇨ 在复录的过程中或 DVD 视频 /SVCD/VCD 的碟片菜单在电视屏幕上显示时，无法使用打分功能。

打分结果好象出错 （或 "−−" 字样出现）。
⇨ 带有打分功能的播放时间太短。建议唱歌的时间应大于一分半钟。（如果播放时间小于一分钟，打分取消。）
⇨ 没有自麦克风的输入或输入水平 （MIC LEVEL）太低。
⇨ 唱歌嗓音太低。

定时器的操作：

日常定时器或录音定时器不工作。
⇨ 当启动时间到来时本机已处于启动状态。定时器只在本机关机时才会开始工作。

语言代码一览表 ●●●●●●●●●●●●●●●●●●●●●●●●●●●●●

AA	阿伐尔语	FA	波斯语	KM	柬埔寨语	OM	（阿梵）奥佬毛语	SU	苏丹语
AB	阿布卡赞语	FI	芬兰语	KN	肯那达语	OR	奥里亚语	SV	瑞典语
AF	南非公用语	FJ	斐济语	KO	韩国语 （KOR）	PA	潘伽比语	SW	斯瓦希里语
AM	阿姆哈拉语	FO	法劳爱语	KS	克什米尔语	PL	波兰语	TA	泰米尔语
AR	阿拉伯语	FY	弗利茜安语	KU	库尔德语	PS	普什图语	TE	泰卢固语
AS	阿萨美斯语	GA	爱尔兰语	KY	吉尔吉斯语	PT	葡萄牙语	TG	塔吉克语
AY	埃马拉语	GD	苏格兰语	LA	拉丁语	QU	奇楚亚语	TH	泰语
AZ	阿塞拜疆语	GL	伽里茜安语	LN	林嘎拉语	RM	利多罗曼语	TI	梯嘎林亚语
BA	巴什克尔语	GN	瓜拉尼语	LO	老挝语	RN	克伦蒂语	TK	土库曼语
BE	白俄罗斯语	GU	古伽拉提语	LT	立陶宛语	RO	罗马尼亚语	TL	他加禄语
BG	保加利亚语	HA	豪萨语	LV	拉托维亚语	RU	俄语	TN	塞茨瓦纳语
BH	比哈尔语	HI	印地语	MG	马尔加什语	RW	肯牙旺达语	TO	汤加语
BI	科西嘉语	HR	克罗地亚语	MI	毛利语	SA	梵语	TR	土耳其语
BN	孟加拉语	HU	匈牙利语	MK	马其顿语	SD	信德语	TS	从咖语
BO	藏语	HY	亚美尼亚语	ML	马拉雅拉姆语	SG	桑篙语	TT	鞑靼语
BR	布列塔尼语	IA	英塔里古亚语	MN	蒙古语	SH	塞尔维亚－克罗地亚语	TW	图依语
CA	加泰隆语	IE	英塔里古厄语	MO	摩尔达维亚语	SI	僧伽罗语	UK	乌克兰语
CO	科西嘉语	IK	英皮阿可语	MR	马拉提语	SK	斯洛伐克语	UR	乌尔都语
CS	捷克语	IN	印度尼西亚语	MS	马来语 （MAY）	SL	斯洛文尼语	UZ	乌兹别克语
CY	威尔士语	IS	冰岛语	MT	马尔他语	SM	萨摩亚语	VI	越南语
DA	丹麦语	IW	西伯来语	MY	缅甸语	SN	马绍纳语	VO	沃拉普克语
DZ	不丹语	JI	依地语	NA	瑙鲁语	SO	索马里语	WO	乌尔夫语
EL	希腊语	JW	爪哇语	NE	尼泊尔语	SQ	阿尔巴尼亚语	XH	考塞语
EO	世界语	KA	格鲁吉亚语	NL	荷兰语	SR	塞尔维亚语	YO	约鲁巴语
ET	爱沙尼亚语	KK	哈萨克语	NO	挪威语	SS	西斯瓦提语	ZU	组鲁语
EU	巴斯克语	KL	格陵兰语	OC	奥希昆语	ST	塞索托语		

规格 ●●●●●●●●●●●●●●●●●●●●●●●●●●●●●●●●●●●●○●

功率放大器部分

输出功率：
主扬声器：　　　　每频道 150 W，最小 RMS，1 kHz 时驱动于 4 Ω，总谐波失真不超过 10%。

数码输出：
OPTICAL DIGITAL OUTPUT（光纤数码输出）：
　　　　　　　　　　　　　–21 dBm 至 –15 dBm（660 nm ±30 nm）

音频输入灵敏度／阻抗
（测量时频率为 1 kHz，磁带录音信号为 300 mV）
AUX：　　　　　　300 mV/47 kΩ
MIC 1/2：　　　　3.0 mV/50 kΩ

VIDEO OUT：
颜色制式：　　　　NTSC/PAL 可选式

VIDEO（复合）：　　　　　　　　　　　1 V(p-p)/75 Ω
S-VIDEO：　　　Y（亮度）　　　　　　1 V(p-p)/75 Ω
　　　　　　　　C（色度，脉冲）　　　0.286 V(p-p)/75 Ω
COMPONENT（隔行扫描／逐行扫描）：
　　　　　　　　（Y）　　　　　　　　1 V(p-p)/75 Ω
　　　　　　　　（P$_B$/P$_R$）　　　　0.7 V(p-p)/75 Ω

扬声器端子：　　4 Ω – 16 Ω（主扬声器）
　　　　　　　　16 Ω – 32 Ω（环绕声扬声器）

调谐器部分

FM 调收范围：　　　　87.50 MHz – 108.00 MHz
AM（MW）调收范围：　531 kHz – 1 710 kHz（在 9 kHz）
　　　　　　　　　　530 kHz – 1 710 kHz（在 10 kHz）

视盘机部分

可播碟片：　　DVD 视频 /DVD 音频 /CD/VCD/SVCD
　　　　　　　CD-R/CD-RW（以音频 CD/ 视频 CD/ 超级视频 CD 格式录制的碟片及 MP3/WMA/JPEG 文件）
　　　　　　　DVD-R（以 DVD 视频格式录制）
　　　　　　　DVD-RW（以 DVD 视频格式或 DVD-VR 格式录制）
　　　　　　　DVD-RAM（以 DVD-VR 格式录制）
动态范围：　　80 dB
水平分辨率：　500 线
晃动率：　　　不可测量

卡式座部分

频率响应
　　标准（I 型）：　50 Hz – 14 000 Hz
晃动率：　　　　　0.15%（WRMS）

一般

电源要求：　　　AC 110 V/AC 127 V/AC 220 V/AC 230 V – AC 240 V 〜，（可使用电压选择器进行调整），50 Hz/60 Hz
功耗：　　　　　195 W（操作时）
　　　　　　　　20 W（待机时）
体积（宽／高／深）（大约）：　185 mm x 460 mm x 361 mm
重量（大约）：　10.9 kg

附件

参阅第 3 页。

扬声器

主扬声器

类型：　　　　3 向 3 扬声器系统低音反射型（磁场屏蔽型）
扬声器系统：　低音喇叭：　18 cm 圆锥形 x 1
　　　　　　　中音喇叭：　5 cm 圆锥形 x 1
　　　　　　　高音喇叭：　2 cm 球顶形 x 1
运转时功率容量：　150 W
阻抗：　　　　4 Ω
频率范围：　　37 Hz – 31 000 Hz
声压水平：　　85 dB/W•m
体积（宽／高／深）（大约）：　204 mm x 460 mm x 271 mm
重量（大约）：　每只 4.6 kg

环绕声扬声器

扬声器系统：　8 cm 圆锥形 x 1
运转时功率容量：　40 W
阻抗：　　　　16 Ω
体积（宽／高／深）（大约）：　105 mm x 230 mm x 125 mm
重量（大约）：　每只 0.7 kg

设计和规格若有变更，恕不另行通知。

- 经杜比实验室授权生产。"Dolby"，"Pro Logic"，"MLP Lossless"和双 D 标志均为 Dolby Laboratories 商标。
- "DTS"和"DTS 2.0+DIGITAL OUT"是数码影院系统有限公司的商标。
- 您本产品的防止拷贝技术受美国专利和其他知识产权保护法的保护。任何使用本技术的行为必须经过 Macrovision 批准，未经 Macrovision 特别批准时，不可用于家用或其他私用之外的目的。使用本机时不可进行违规操作或分解。
- "消费者应注意并非所有高分辨率的电视机都完全同本产品兼容，并且有可能在图像中引起伪影出现。如果 525 或 625 逐行扫描图像出现问题，建议用户将连接切换至 '标准分辨率'输出。如果存在有关我们的电视机同这一型号 525p 和 625p DVD 视盘机的兼容性问题，请与我们的顾客服务中心联系。"

中

文

OPTICAL DIGITAL OUTPUT （光纤数码输出）信号 ●●●●●●●●●●●●●●●●●

数码音频输出 可播放的碟片	输出信号		
	光束 /PCM	DOLBY DIGITAL/PCM	PCM
DVD 视频			
以 48 kHz， 16/20/24 bit 线性 PCM 信号编码	48 kHz， 16 bit 线性 PCM*[1]		
以 96 kHz，线性 PCM 信号编码	48 kHz， 16 bit 线性 PCM		
以杜比数码信号编码	杜比数码比特流		48 kHz， 16 bit 线性 PCM
以 DTS 信号编码	DTS 比特流	48 kHz， 16 bit 线性 PCM	
DVD 音频 *[2]			
以 48/96/192 kHz， 16/20/24 bit 线性 PCM 信号编码	48 kHz， 16 bit 线性 PCM		
以 44.1/88.2/176.4 kHz， 16/20/24 bit 线性 PCM 信号编码	44.1 kHz， 16 bit 线性 PCM		
以杜比数码信号编码	杜比数码比特流		48 kHz， 16 bit 线性 PCM
以 DTS 信号编码	DTS 比特流	48 kHz， 16 bit 线性 PCM	
以 DVD-VR 格式录制的 DVD-RW/RAM			
以 48 kHz， 16/20/24 bit 线性 PCM 信号编码	48 kHz， 16 bit 线性 PCM*[1]		
以杜比数码信号编码	杜比数码比特流		48 kHz， 16 bit 线性 PCM
SVCD，VCD， CD	44.1 kHz， 16 bit 线性 PCM*[1]/48 kHz， 16 bit 线性 PCM*[1]		
以 DTS 信号编码的 CD	DTS 比特流	44.1 kHz， 16 bit 线性 PCM	
MP3/WMA 碟片	32/44.1/48 kHz， 16 bit 线性 PCM		

*1 在播放某些 DVD 时，如果碟片为非防拷贝碟片，自 OPTICAL DIGITAL OUTPUT （光纤数码输出）端子输出的数码信号可能以 20 bit 或 24 bit （以其固有位传输速率）的传输速率传递。
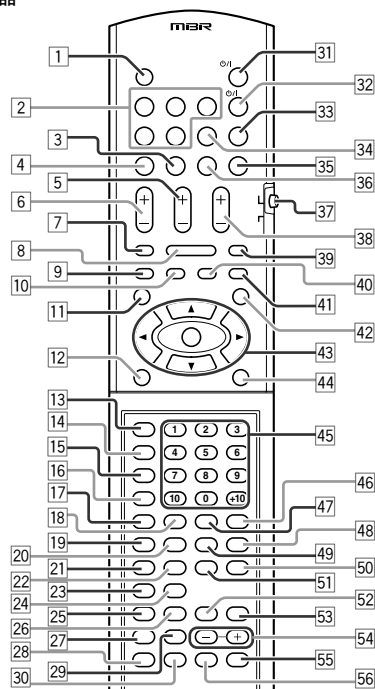
*2 带有内容保护设定的 DVD 音频没有输出。

中
文

遥控器

按键		页码	按键		页码
⏻/| AUDIO	31	7	KARAOKE SCORING	1	32
⏻/| TV	32	38	KEY #	50	32
■	8	9 – 11, 20	KEY ♭	51	32
▶▶ / ◀◀	9 41	8, 10, 11, 18	L / R BALANCE	54	12
▶▶| / |◀◀	7 39	9, 10	MIC MIX	23	31, 33
❚❚	40	9, 18	MENU/PL	42	10, 26
▲ / ▼ / ▶ / ◀ / ENTER	43	10, 15, 17, 18, 23 – 28, 36, 38	ON SCREEN	44	23 – 26
+ / –	54	13 – 15, 33, 34	PAGE	18	17
10 数字键	45	9, 10, 19, 25, 38	PLAY MODE	49	19, 20
3D PHONIC	53	14	REPEAT	20	21, 28
ACTIVE BASS EX	26	12	RHYTHM AX	25	12
ANGLE	16	17	RESERVE	24	33
AUDIO	14	16	RETURN	46	10
AUDIO/TV 选择器	37	7, 38	REVERSE MODE	48	11
AUDIO VOL + / –	38	7, 12	SCAN MODE	47	14
AUX	34	7	SET	27	8, 12, 13, 15, 33, 34, 35
CANCEL	29	20, 33, 35	SET UP	12	36
CHANNEL +/–	5	38	SETTING	55	12, 33
CLOCK/ TIMER	28	15, 34, 35	SLEEP	30	15
DIMMER	56	15	SOUND MODE	52	13
DISC 1–5	2	9	SUB TITLE	15	17
DVD LEVEL	19	14	TAPE-A ◀▶	3	7, 11
DVD/CD ▶	4	7, 9	TAPE-B ◀▶	36	7, 11
ECHO	22	32	TOP MENU/ PG	11	10, 26
FM MODE	40	8	TV VOL + / –	6	38
FM/AM	35	7, 8	TV/VIDEO	33	38
GLANCE BACK ↩	10	17	V.MASKING	21	32
GROUP/ TITLE	13	9	VFP	47	14
			ZOOM	17	18, 28

主机

按键		页码	按键		页码
⏻/|	②	7	DISC REC START	㉖	30
显示屏	⑧	6	DUBBING	㉘	30
■	⑭	8 – 11, 20, 21	DVD/CD	⑩	7, 9
▶▶ / ◀◀	⑱	8, 10, 11, 18	DVD LEVEL	㉓	14
▶▶| / |◀◀	⑫	9	FM/AM	⑨	7, 8
❚❚	⑪	9, 18	KARAOKE SCORING	⑮	32
ACTIVE BASS EX. +/–	⑥	12	MIC 1 / MIC 2	⑳	31
AUX	㉕	7	MIC LEVEL	㉑	31
DEMO	㉔	7	PHONES	⑦	7
碟片托盘	①	9	PRESET +/–	⑫	9
DISC 1–5 ▲ / ▶	⑤	9, 21, 30			

按键		页码	按键		页码
PUSH-OPEN ▲	⑯ ⑲	11, 29	SOUND MODE	㉒	13
REC START/ STOP	㉗	30	TAPE-A	④	7, 11, 30
			TAPE-B	③	7, 11, 29, 30
REVERSE MODE	㉙	11, 29	TUNING	⑱	8
RHYTHM AX	⑰	12	VOLUME +/–	⑬	7, 12, 31

遥控器

主机

遥感器

MEMO

MEMO

MEMO

Mains (AC) Line Instruction (not applicable for Europe, U.S.A., Canada, and U.K.)
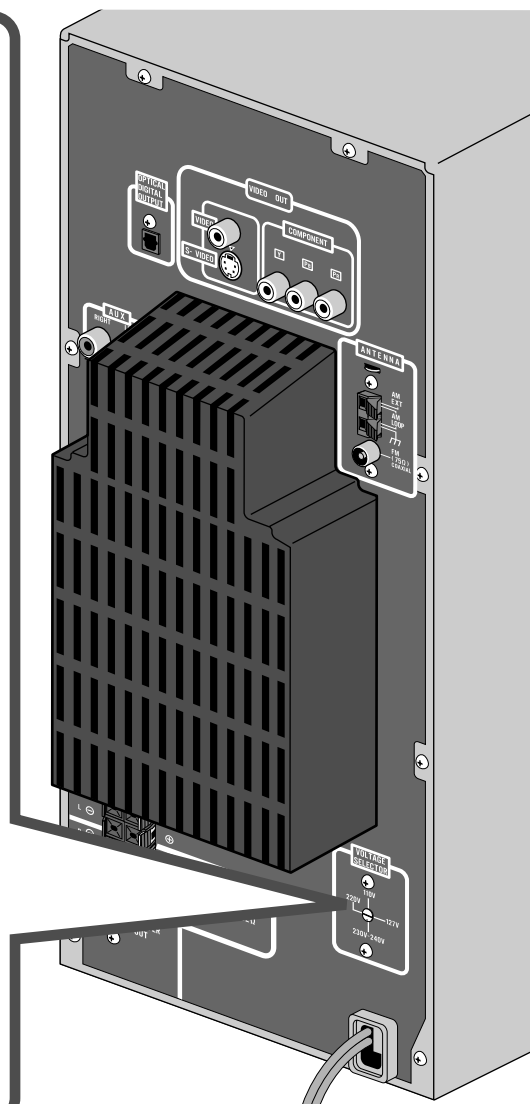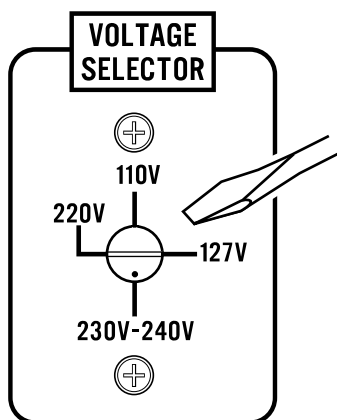
主（AC）电源线路说明（不适用于香港、欧洲、美国、加拿大及英国型号）

CAUTION for mains (AC) line
BEFORE PLUGGING IN, do check that your mains (AC) line voltage corresponds with the position of the voltage selector switch provided on the outside of this equipment and, if different, reset the voltage selector switch, to prevent from a damage or risk of fire/electric shock.

有关主（AC）电源线路的重要事项
接插电源以前，请务必检查当地的主（AC）电源线路电压是否和位于本机外面的电压选择开关设定的位置一致。如果不一致，请重新设定电压选择开关使其符合当地电压，以免损坏机器或引起火灾/触电的危险。

VOLTAGE SELECTOR

110V
220V
127V
230V-240V

DX-T5 | COMPACT COMPONENT SYSTEM

JVC

EN, CS
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0205AIMMDWJEM